

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072920\
 Data File : VU039697.D
 Acq On : 29 Jul 2020 11:41
 Operator : SY/MD
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 7/31/2020 3:42:50 PM

Quant Time: Jul 30 01:31:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 30 01:17:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.13	96	20441	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.64	95	7511	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	7605	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	14147	2.026	ug/l	96
3) Chloromethane	1.53	50	17876	2.151	ug/l	99
4) Vinyl Chloride	1.61	62	16498	2.026	ug/l	94
5) Bromomethane	1.86	94	11664	2.310	ug/l	97
6) Chloroethane	1.94	64	10858	2.187	ug/l	98
7) Trichlorofluoromethane	2.15	101	21571	2.431	ug/l	93
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	12839	2.359	ug/l	99
9) 1,1-Dichloroethene	2.59	96	11308	2.092	ug/l	92
10) Iodomethane	2.74	142	10492	2.918	ug/l	98
11) Allyl Chloride	2.94	41	24336	2.378	ug/l	99
12) Acrylonitrile	3.33	53	8124	5.290	ug/l	93
13) Acetone	2.64	43	17462	13.735	ug/l	96
14) Carbon Disulfide	2.81	76	42526	2.155	ug/l	98
15) Methylene Chloride	3.06	84	15198	2.027	ug/l	93
16) trans-1,2-Dichloroethene	3.37	96	13452	2.269	ug/l	98
17) 1,1-Dichloroethane	3.89	63	29692	2.565	ug/l	99
18) 2-Butanone	4.74	43	32226	16.430	ug/l	99
19) Cyclohexane	5.40	56	28243m	2.535	ug/l	
20) Methylcyclohexane	6.77	83	19255	1.827	ug/l	96
21) 2,2-Dichloropropane	4.68	77	22714	2.374	ug/l	99
22) cis-1,2-Dichloroethene	4.69	96	14029	2.232	ug/l	97
23) Diethyl Ether	2.39	59	12110	2.499	ug/l	94
24) tert-Butyl Alcohol	3.20	59	18157	32.870	ug/l	95
25) Methyl tert-Butyl Ether	3.39	73	38306	2.505	ug/l	98
26) Bromochloromethane	4.99	128	6004	2.368	ug/l	96
27) Chloroform	5.11	83	27101	2.505	ug/l	97
28) 1,1,1-Trichloroethane	5.33	97	22451	2.530	ug/l	98
29) 1,1-Dichloropropene	5.54	75	21322	2.409	ug/l	98
30) Carbon Tetrachloride	5.53	117	17662	2.388	ug/l	95
31) Isopropyl Ether	4.02	45	52469	2.706	ug/l	99
32) Ethyl-t-butyl ether	4.53	59	45566	2.635	ug/l	100
33) Tert-Amyl methyl ether	5.97	73	30925	2.136	ug/l	98
34) Propionitrile	4.80	54	8253	15.145	ug/l #	94
35) Benzene	5.79	78	50162	2.066	ug/l	98
36) 1,2-Dichloroethane	5.82	62	19580	2.606	ug/l	100
37) Trichloroethene	6.55	130	11832	1.882	ug/l	91
38) 1,2-Dichloropropane	6.81	63	14240	2.148	ug/l	100
39) Methacrylonitrile	5.00	41	8290	3.222	ug/l	94
40) Methyl acrylate	4.87	55	10832	2.899	ug/l	99
41) Tetrahydrofuran	5.09	42	7883	6.096	ug/l	99
42) 1-Chlorobutane	5.47	56	33161	2.555	ug/l	97

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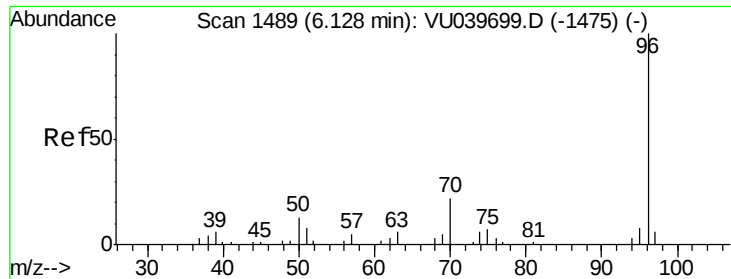
Manual Integrations
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Quant Time: Jul 30 01:31:05 2020
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 30 01:17:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	7711	2.451	ug/l	98
44) Bromodichloromethane	7.12	83	16828	2.152	ug/l	96
45) 4-Methyl-2-Pentanone	7.81	43	54848	12.383	ug/l	99
46) t-1,4-Dichloro-2-butene	10.83	75	7113m	5.255	ug/l	
47) Methyl methacrylate	6.98	69	14122	4.430	ug/l	99
48) Ethyl methacrylate	8.35	69	12235	2.085	ug/l	100
49) Toluene	7.98	92	29887	1.948	ug/l	100
50) t-1,3-Dichloropropene	8.22	75	14849	1.885	ug/l	99
51) cis-1,3-Dichloropropene	7.62	75	18014	1.923	ug/l	99
52) 1,1,2-Trichloroethane	8.41	97	9919	2.255	ug/l	98
53) 1,3-Dichloropropane	8.58	76	19077	2.305	ug/l	99
54) 2-Hexanone	8.70	43	38924	12.392	ug/l	96
55) Dibromochloromethane	8.82	129	10099	2.074	ug/l	98
56) 1,2-Dibromoethane	8.93	107	9313	2.227	ug/l	99
58) Tetrachloroethene	8.56	164	10638	1.845	ug/l	91
59) Chlorobenzene	9.45	112	30372	1.872	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.54	131	10544	2.111	ug/l	97
61) Pentachloroethane	11.43	117	9219	2.385	ug/l	91
62) Hexachloroethane	12.47	117	8345	2.107	ug/l	93
63) Ethyl Benzene	9.57	91	53735	1.849	ug/l	99
64) m/p-Xylenes	9.70	106	42647	3.801	ug/l	99
65) o-Xylene	10.10	106	20208	1.858	ug/l	100
66) Styrene	10.12	104	33989	1.882	ug/l	99
67) Bromoform	10.29	173	5230	2.045	ug/l	94
69) Isopropylbenzene	10.48	105	52177	1.833	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.78	83	14393	2.489	ug/l	98
71) 1,2,3-Trichloropropane	10.83	75	10644m	2.439	ug/l	
72) Bromobenzene	10.78	156	12647	1.999	ug/l	96
73) n-propylbenzene	10.91	120	14869	1.900	ug/l	100
74) 2-Chlorotoluene	10.99	126	13182	2.006	ug/l	97
75) 1,3,5-Trimethylbenzene	11.09	105	46223	1.937	ug/l	96
76) 4-Chlorotoluene	11.10	126	13575	1.983	ug/l	98
77) tert-Butylbenzene	11.42	119	43526	1.920	ug/l	99
78) 1,2,4-Trimethylbenzene	11.47	105	47745	1.942	ug/l	99
79) sec-Butylbenzene	11.64	105	64045	1.977	ug/l	99
80) Nitrobenzene	13.20	77	939	5.979	ug/l #	94
81) p-Isopropyltoluene	11.79	119	51333	1.961	ug/l	99
82) 1,3-Dichlorobenzene	11.74	146	26808	2.028	ug/l	98
83) 1,4-Dichlorobenzene	11.83	146	26826	2.006	ug/l	99
84) n-Butylbenzene	12.20	91	53691	2.042	ug/l	97
85) 1,2-Dichlorobenzene	12.21	146	26577	2.143	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.99	75	2342	2.489	ug/l	94
87) 1,2,4-Trichlorobenzene	13.83	180	14983	1.687	ug/l	98
88) Hexachlorobutadiene	14.01	225	7062	1.796	ug/l	98
89) Naphthalene	14.08	128	30264	1.732	ug/l	99
90) 1,2,3-Trichlorobenzene	14.32	180	14870	1.869	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.13 min Scan# 1489

Delta R.T. -0.00 min

Lab File: VU039697.D

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Instrument :

MSVOA_U

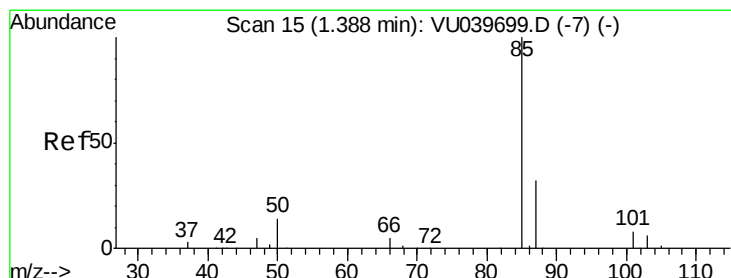
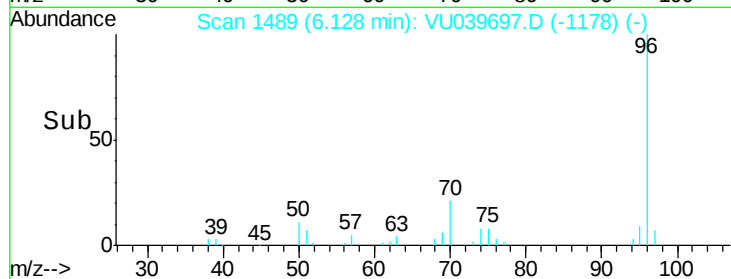
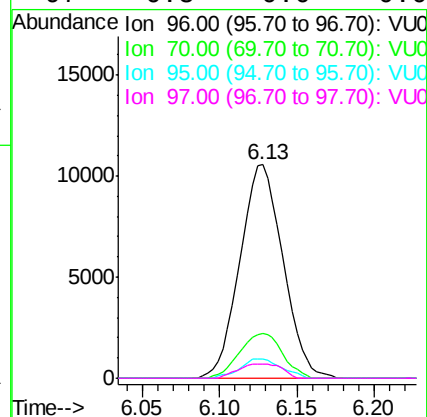
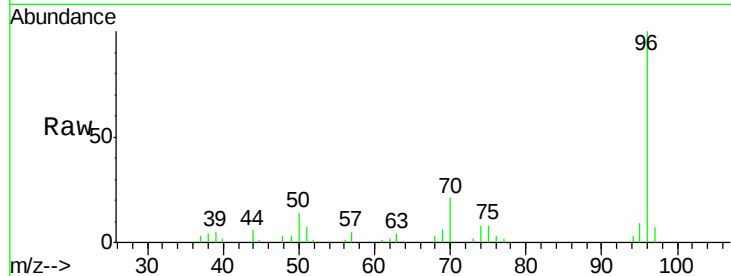
ClientSampleId :

VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
70	21.0	16.3	24.5	
95	8.8	6.8	10.2	
97	6.8	0.0	0.0	

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#2

Dichlorodifluoromethane

Concen: 2.026 ug/l

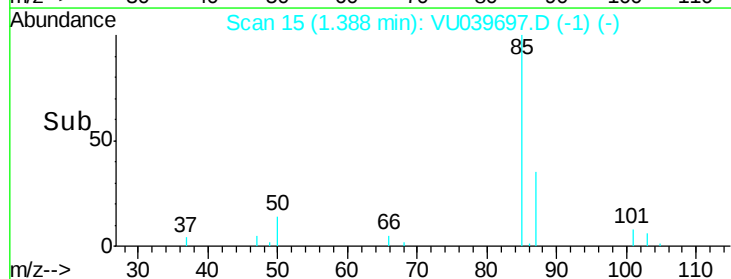
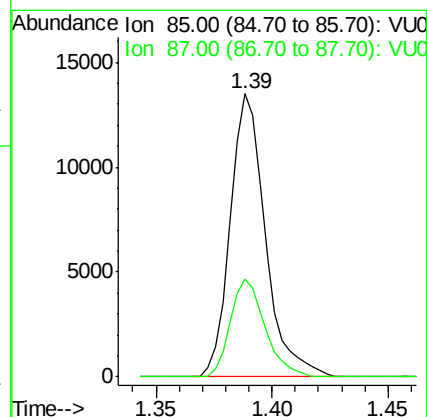
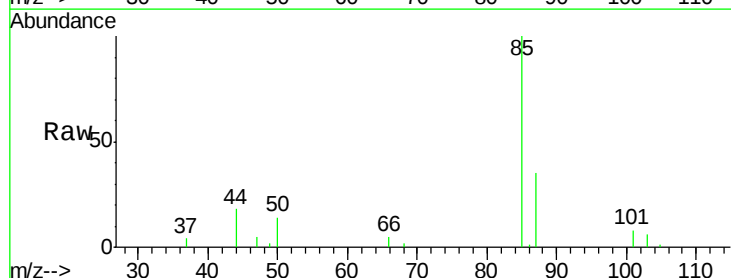
RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039697.D

Acq: 29 Jul 2020 11:41

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	34.6	16.2	48.6	





#3

Chloromethane

Concen: 2.151 ug/l

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039697.D

Acq: 29 Jul 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 50 Resp: 17876

Ion Ratio Lower Upper

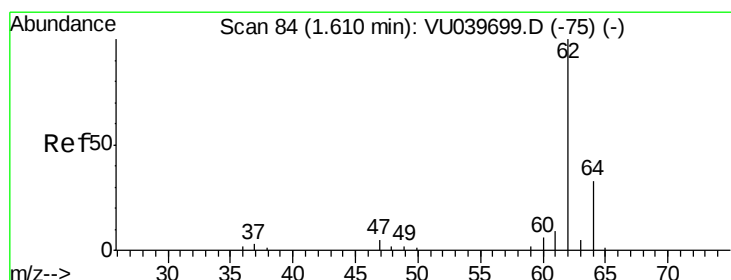
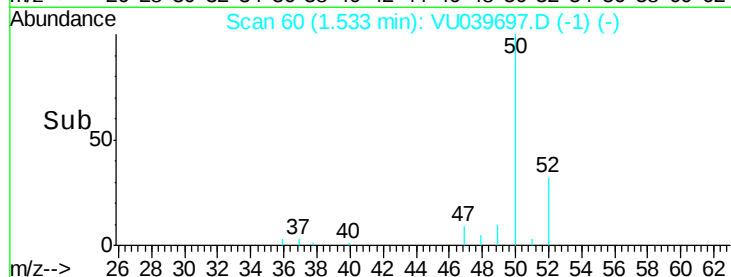
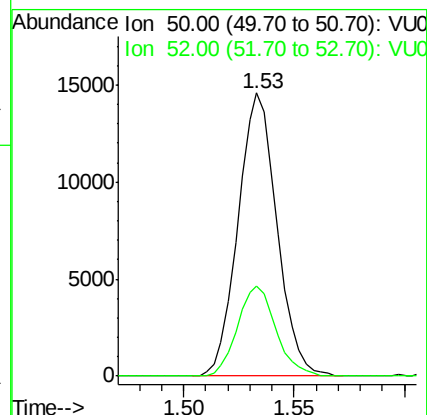
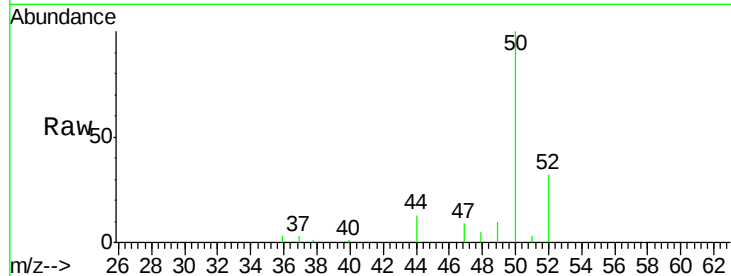
50 100

52 31.9 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 2.026 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039697.D

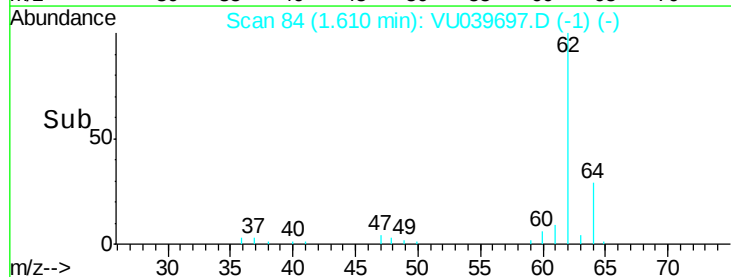
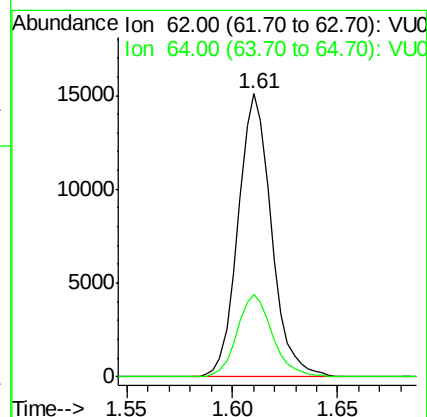
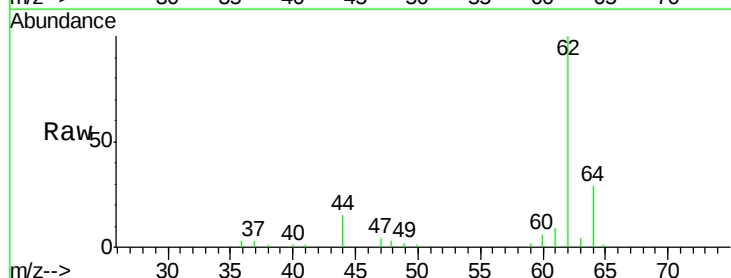
Acq: 29 Jul 2020 11:41

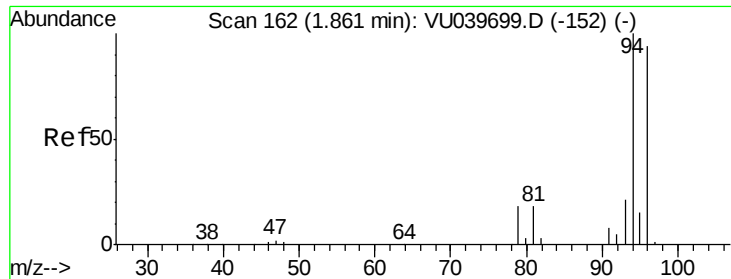
Tgt Ion: 62 Resp: 16498

Ion Ratio Lower Upper

62 100

64 29.3 26.0 39.0





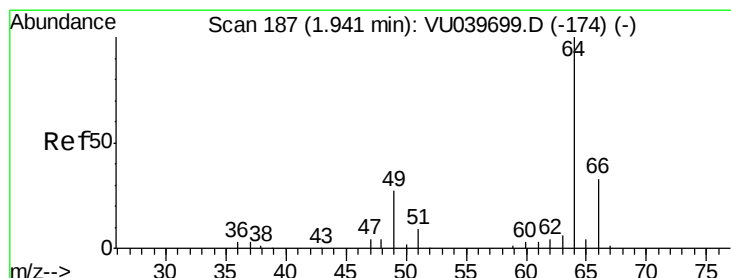
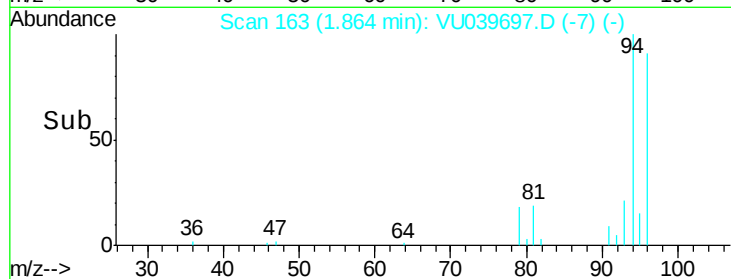
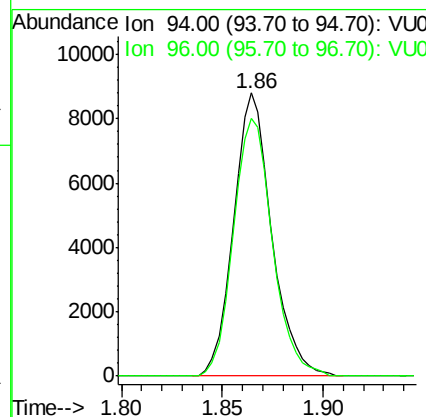
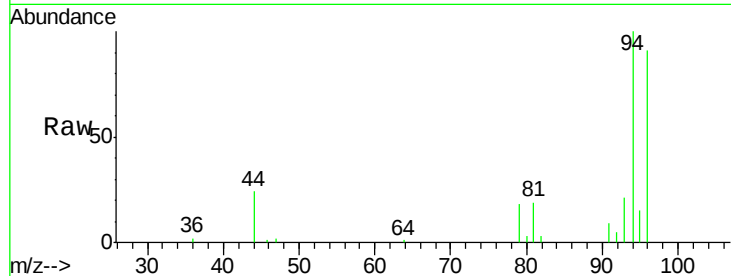
#5
Bromomethane
Concen: 2.310 ug/l
RT: 1.86 min Scan# 163
Delta R.T. 0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 94 Resp: 11664
Ion Ratio Lower Upper
94 100
96 90.9 75.0 112.6

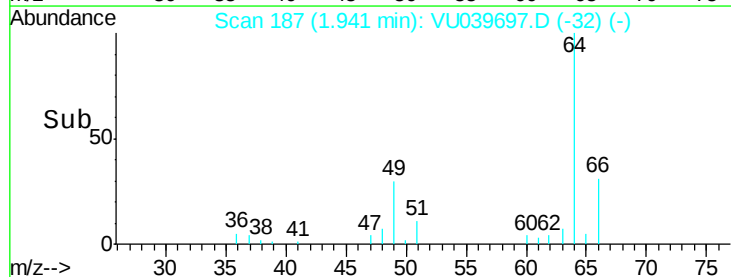
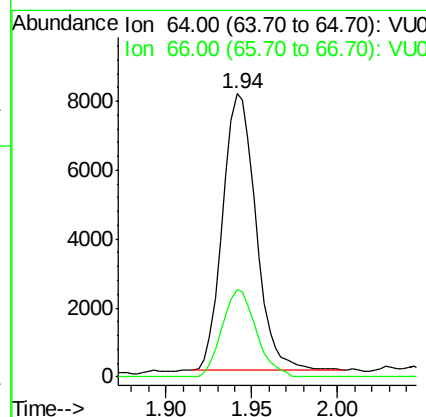
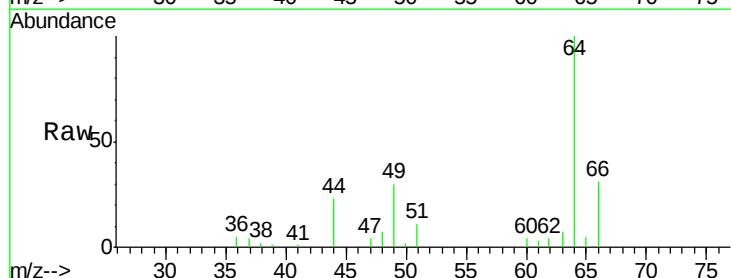
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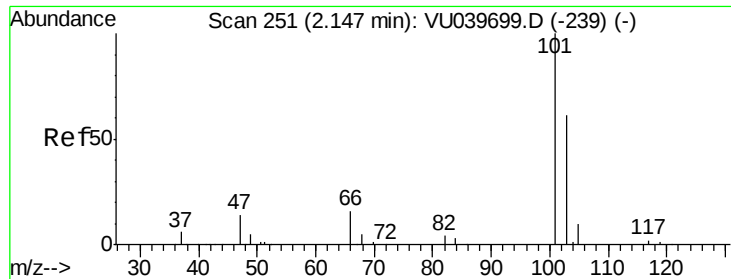
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#6
Chloroethane
Concen: 2.187 ug/l
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Tgt Ion: 64 Resp: 10858
Ion Ratio Lower Upper
64 100
66 31.5 26.2 39.2





#7

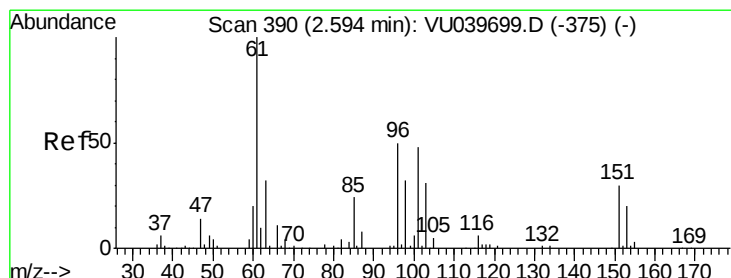
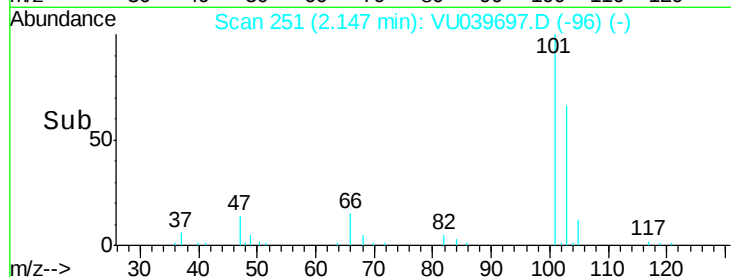
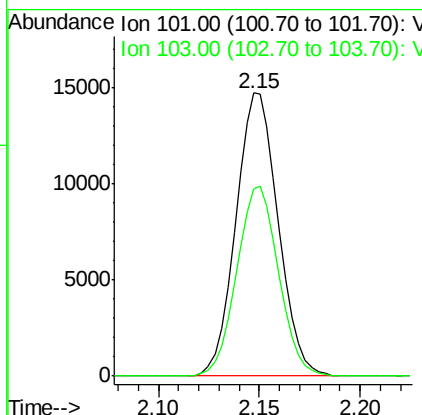
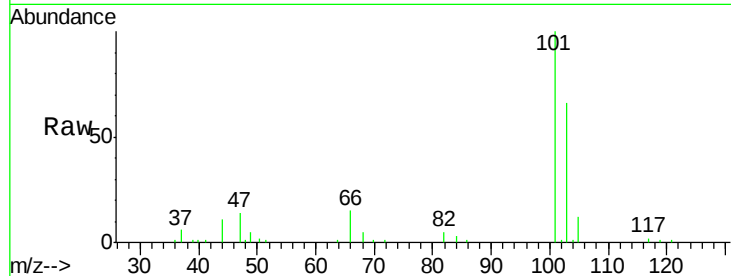
Trichlorofluoromethane
Concen: 2.431 ug/l
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	48.8	73.2

Manual Integrations
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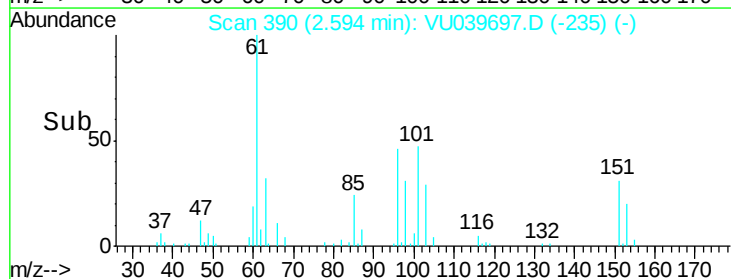
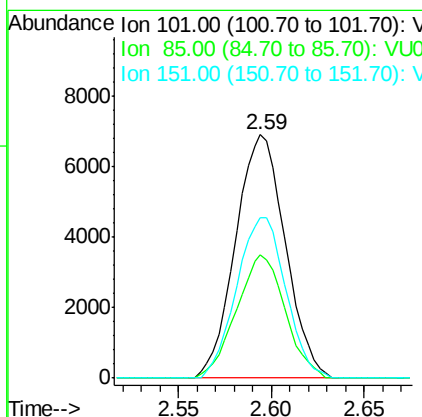
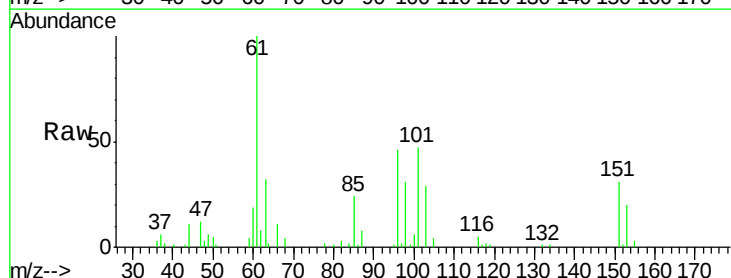
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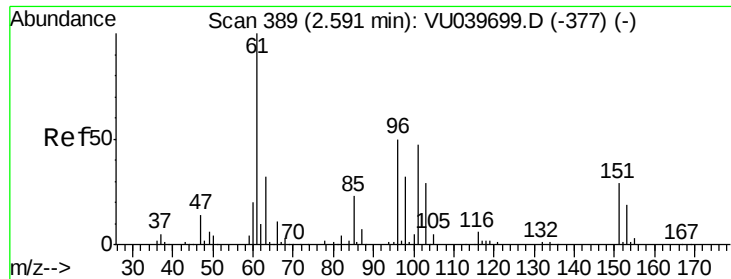


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.359 ug/l
RT: 2.59 min Scan# 390
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Tgt Ion	Ratio	Lower	Upper
101	100		
85	49.5	39.9	59.9
151	65.3	51.0	76.4





#9

1,1-Dichloroethene

Concen: 2.092 ug/l

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039697.D

Acq: 29 Jul 2020 11:41

Instrument :

MSVOA_U

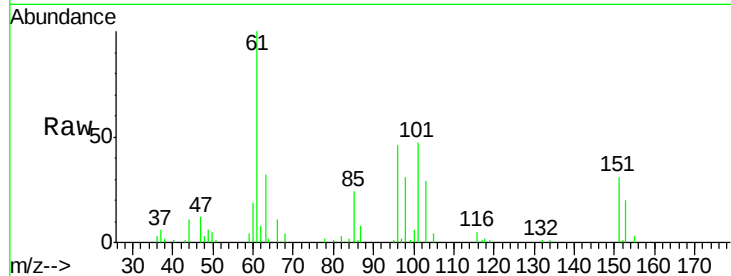
ClientSampleId :

VSTDIC002

Tot Ion:	96	Resp:	11308
Ion	Ratio	Lower	Upper
96	100		
61	215.3	0.0	604.5
98	65.9	0.0	127.2

Manual Integrations
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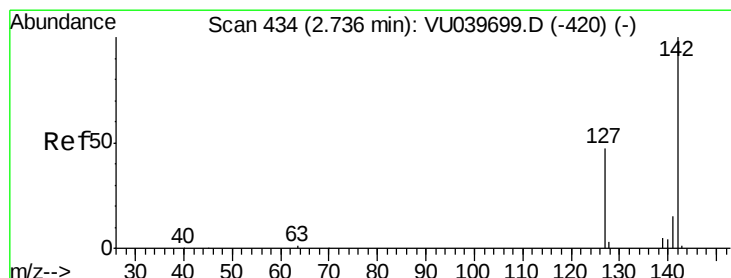
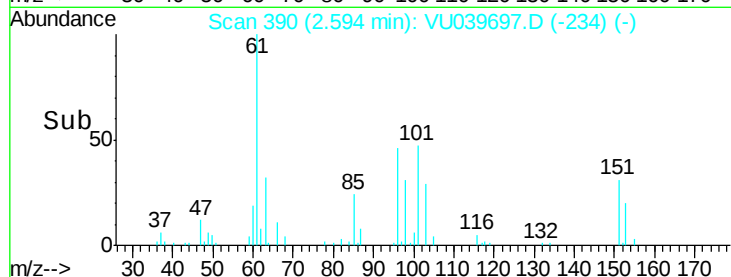
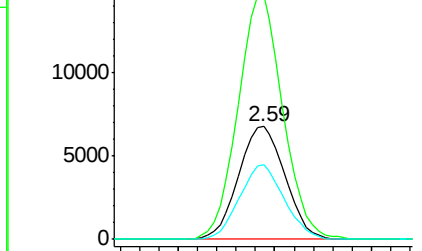
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Abundance Ion 96.00 (95.70 to 96.70): VU039699.D (-377) (-)

Ion 61.00 (60.70 to 61.70): VU039699.D (-377) (-)

Ion 98.00 (97.70 to 98.70): VU039699.D (-377) (-)



#10

Iodomethane

Concen: 2.918 ug/l

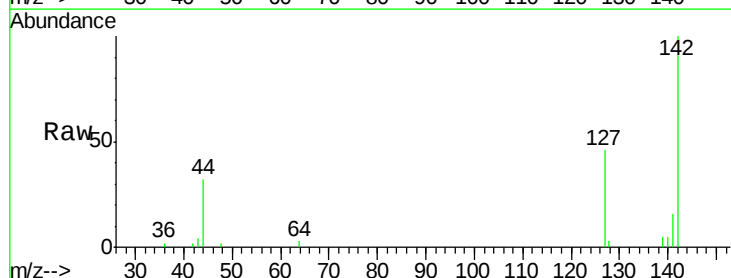
RT: 2.74 min Scan# 434

Delta R.T. -0.00 min

Lab File: VU039697.D

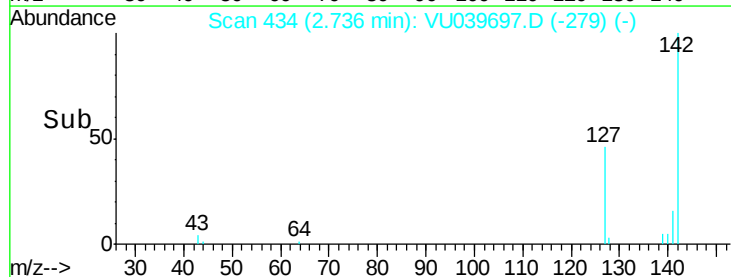
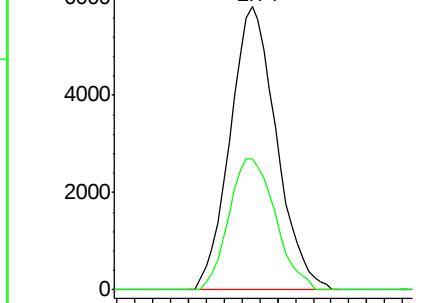
Acq: 29 Jul 2020 11:41

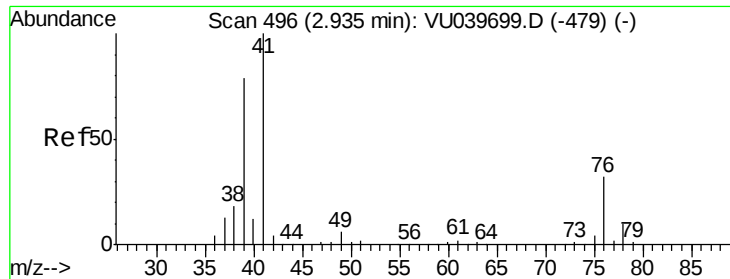
Tgt Ion:	142	Resp:	10492
Ion	Ratio	Lower	Upper
142	100		
127	46.4	38.4	57.6



Abundance Ion 142.00 (141.70 to 142.70): VU039699.D (-420) (-)

Ion 127.00 (126.70 to 127.70): VU039699.D (-420) (-)





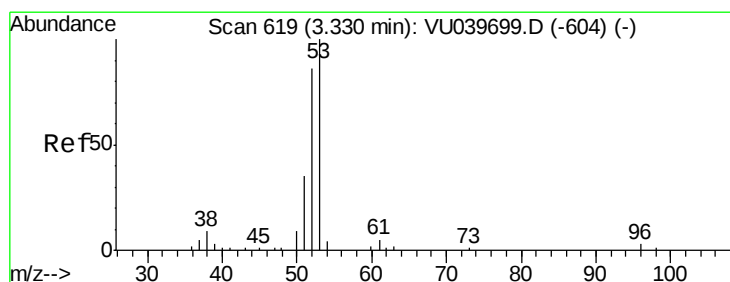
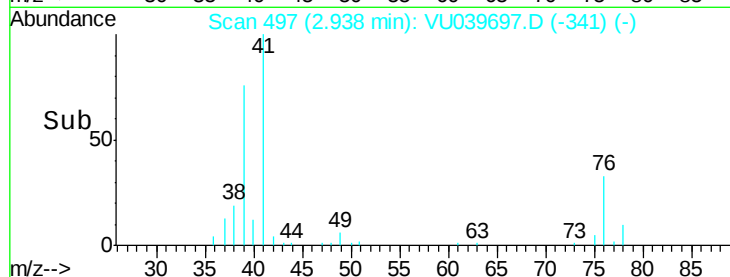
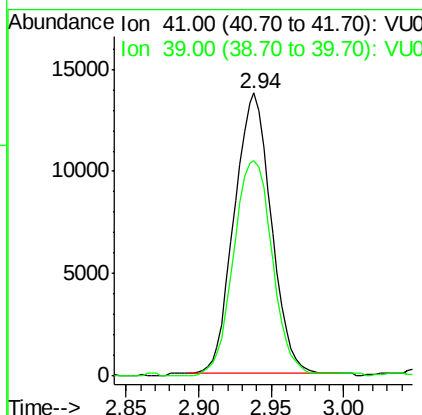
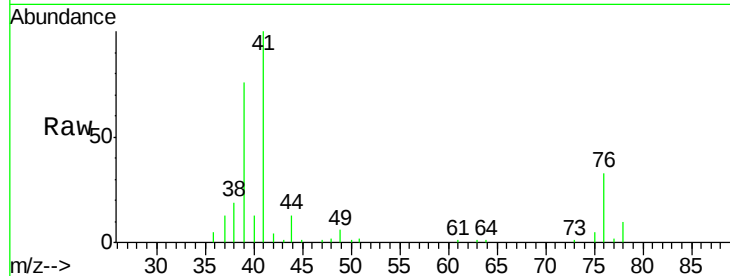
#11
Allvl Chloride
Concen: 2.378 ug/l
RT: 2.94 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	41	Resp	24336
Ion Ratio	100	Lower	Upper
39	81.0	64.2	96.2

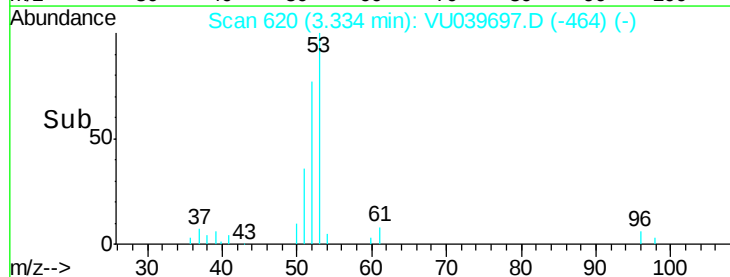
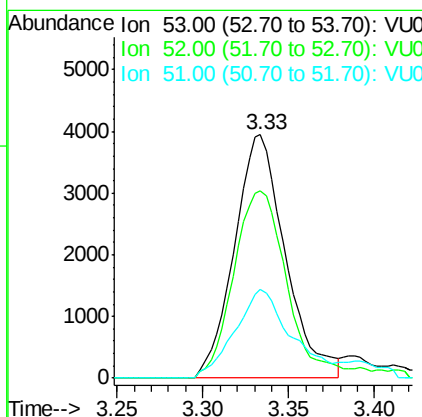
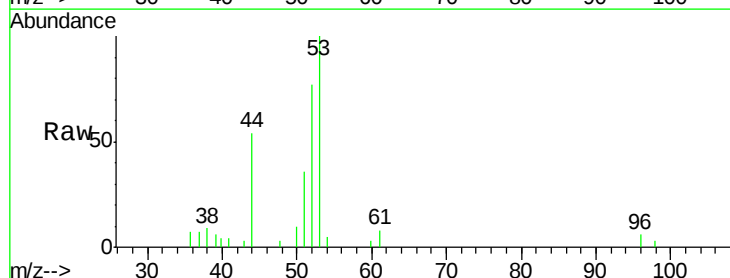
Manual Integrations
APPROVED

MMDadoda
7/31/2020 3:42:50 PM



#12
Acrylonitrile
Concen: 5.290 ug/l
RT: 3.33 min Scan# 620
Delta R.T. 0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Tgt Ion	53	Resp	8124
Ion Ratio	100	Lower	Upper
52	79.9	69.1	103.7
51	40.2	29.4	44.2





#13

Acetone

Concen: 13.735 ug/l

RT: 2.64 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU039697.D

Acq: 29 Jul 2020 11:41

Tot Ion: 43 Resp: 17462

Ion Ratio Lower Upper

43 100

58 25.1 21.8 32.6

Instrument :

MSVOA_U

ClientSampleId :

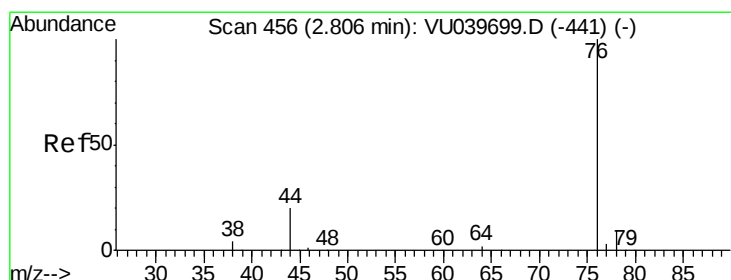
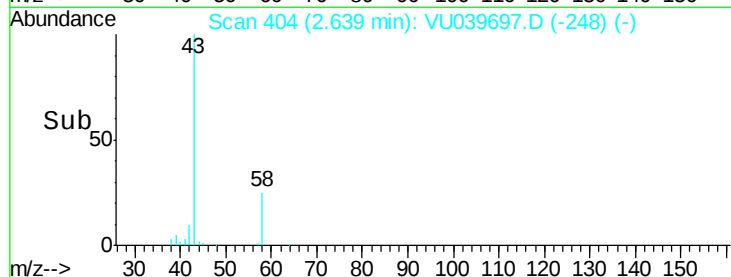
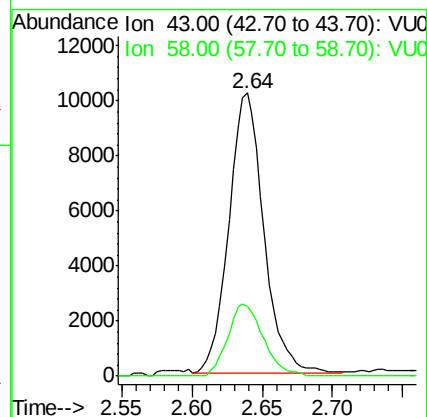
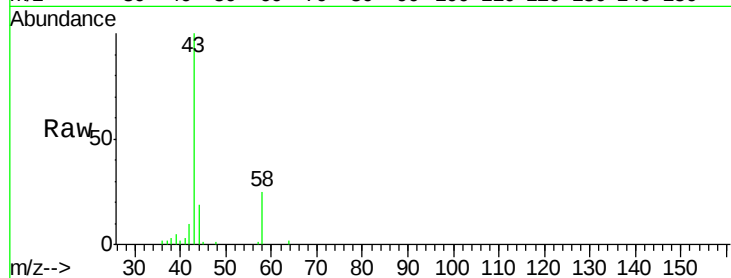
VSTDIC002

Manual Integrations

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#14

Carbon Disulfide

Concen: 2.155 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039697.D

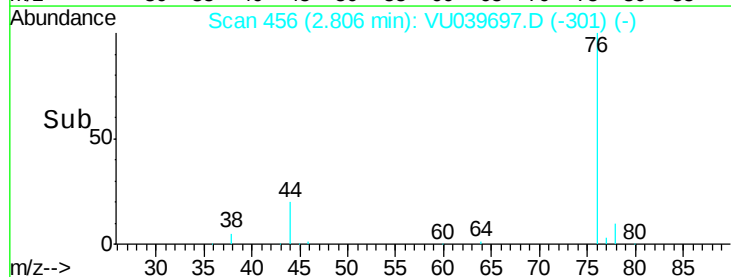
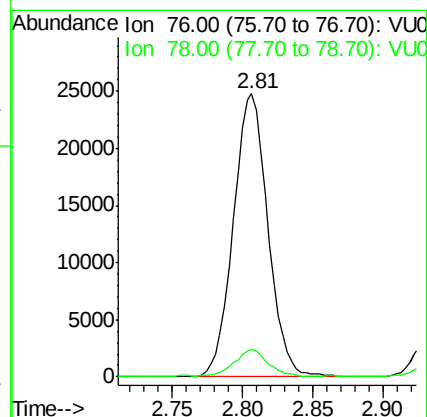
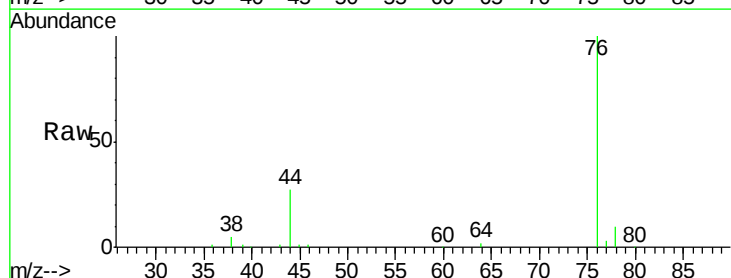
Acq: 29 Jul 2020 11:41

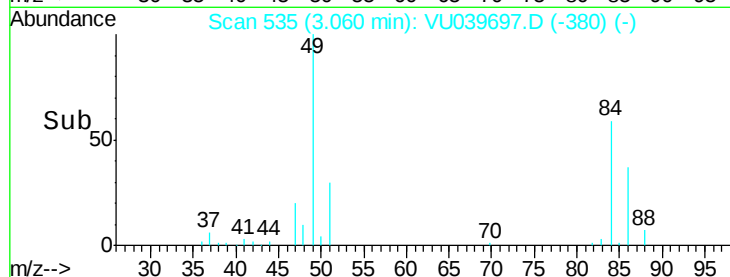
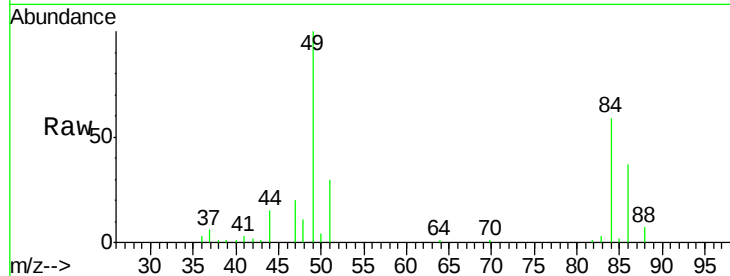
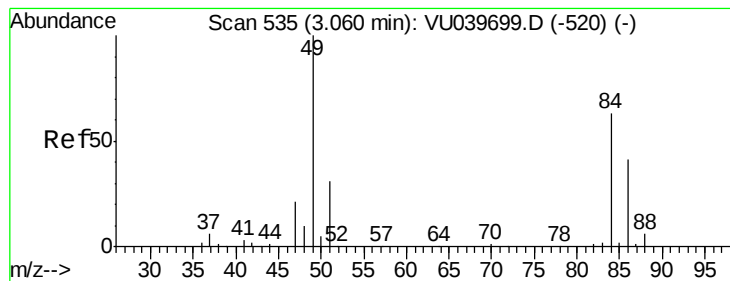
Tgt Ion: 76 Resp: 42526

Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.6





#15

Methylene Chloride

Concen: 2.027 ug/l

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU039697.D

Acq: 29 Jul 2020 11:41

Tot Ion:	84	Resp:	15198
Ion	Ratio	Lower	Upper
84	100		
49	170.8	126.8	190.2
51	51.3	0.0	97.2
86	63.2	51.4	77.2

Instrument :

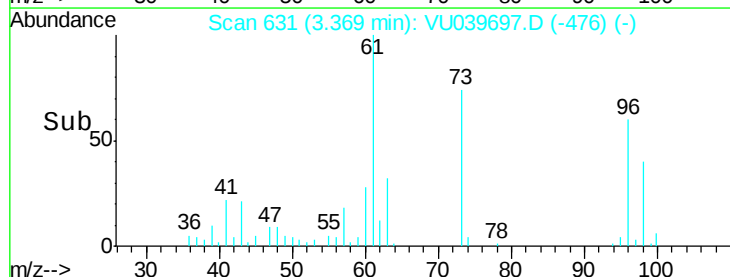
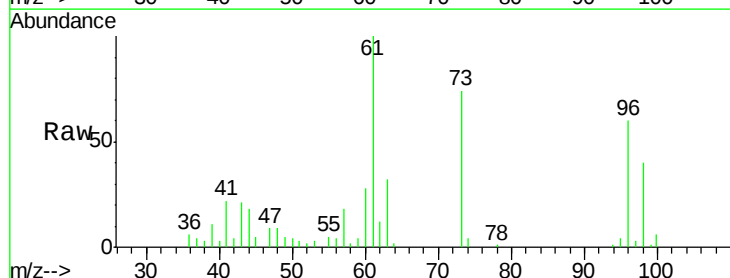
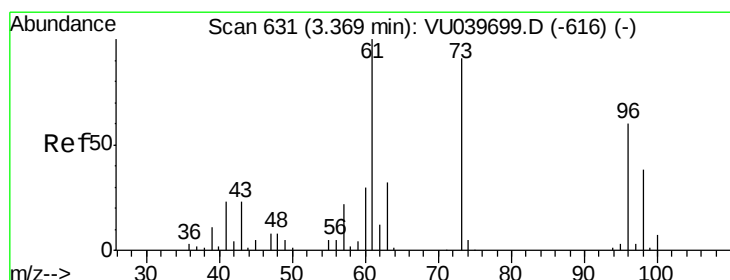
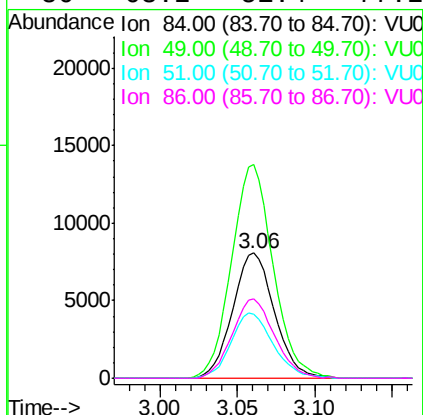
MSVOA_U

ClientSampleId :

VSTDIC002

Manual Integrations
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#16

trans-1,2-Dichloroethene

Concen: 2.269 ug/l

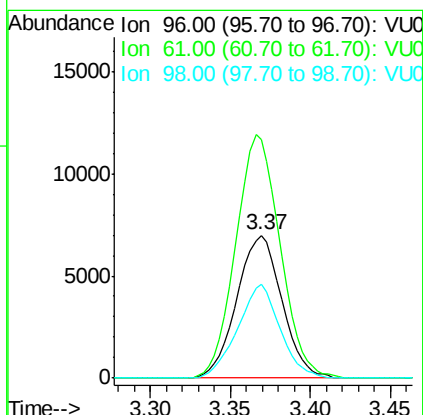
RT: 3.37 min Scan# 631

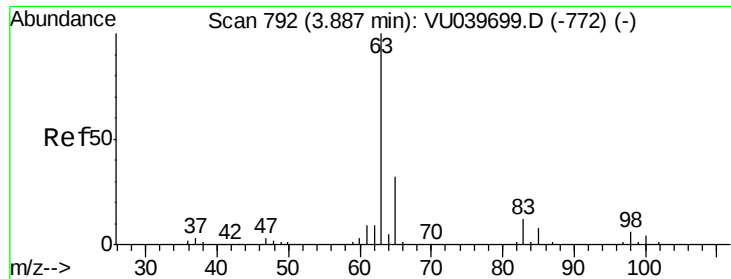
Delta R.T. -0.00 min

Lab File: VU039697.D

Acq: 29 Jul 2020 11:41

Tgt Ion:	96	Resp:	13452
Ion	Ratio	Lower	Upper
96	100		
61	167.4	132.6	199.0
98	66.1	50.2	75.2





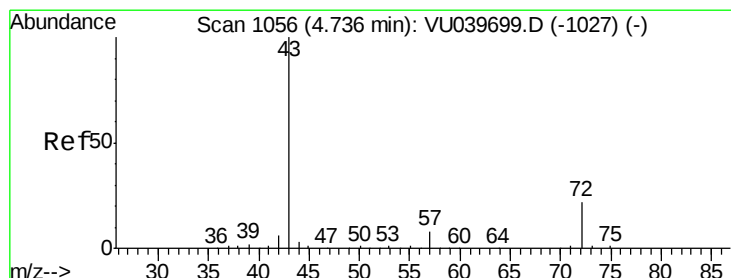
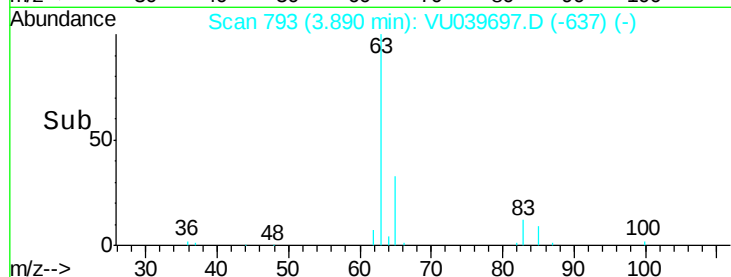
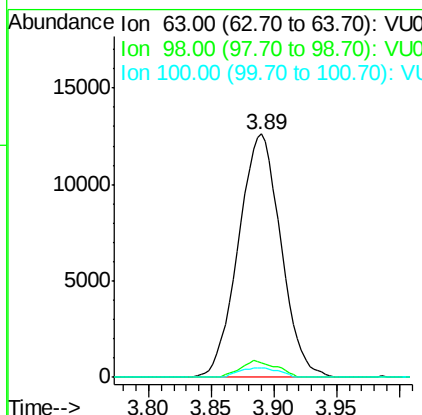
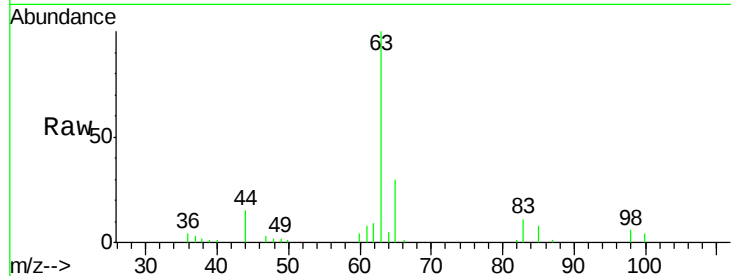
#17
 1,1-Dichloroethane
 Concen: 2.565 ug/l
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU039697.D
 Acq: 29 Jul 2020 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.1	2.9	8.7
100	3.7	2.0	6.0

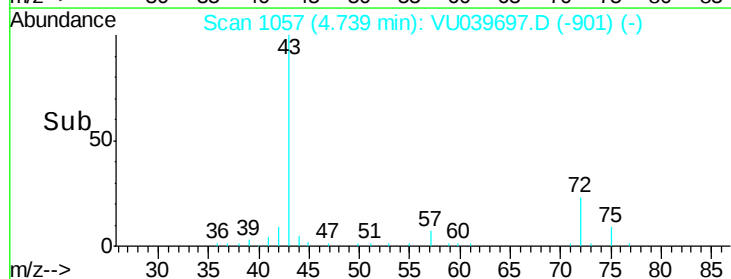
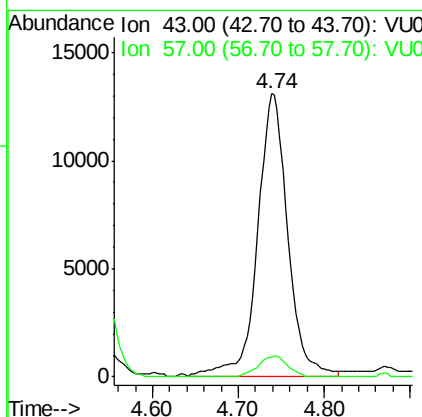
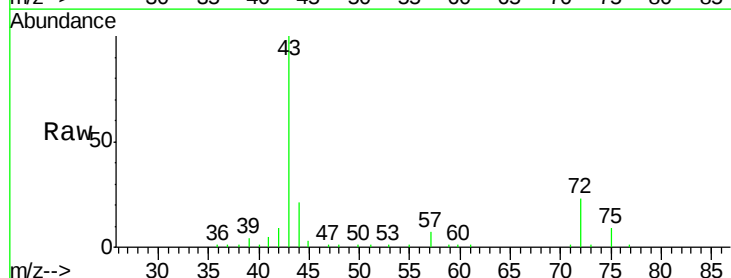
Manual Integrations
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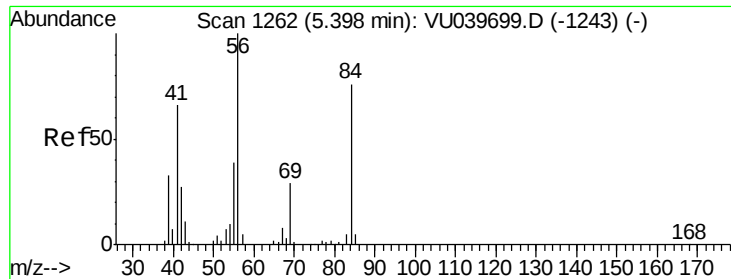
MMDadoda
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#18
 2-Butanone
 Concen: 16.430 ug/l
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VU039697.D
 Acq: 29 Jul 2020 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.1	0.0	15.2





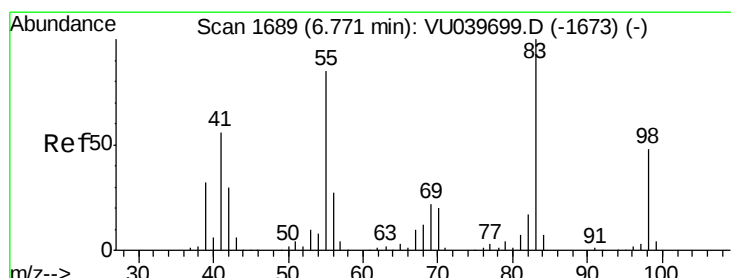
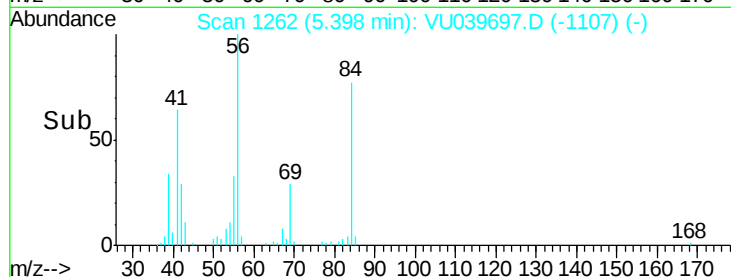
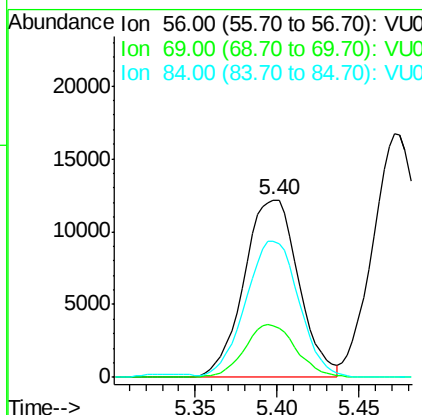
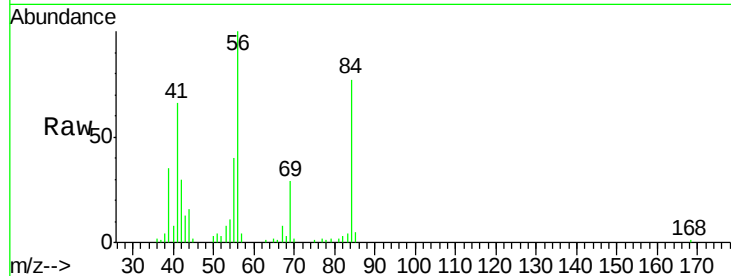
#19
Cyclohexane
Concen: 2.535 ug/l m
RT: 5.40 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.0	22.8	34.2
84	74.1	59.9	89.9

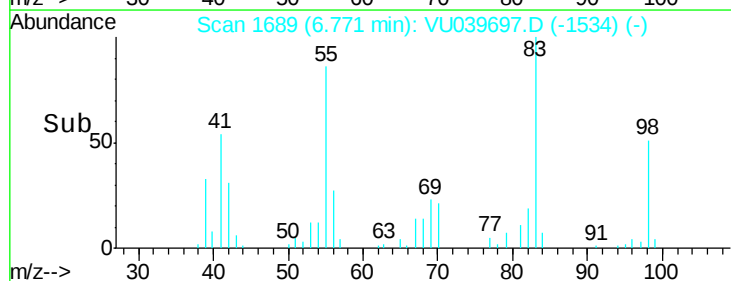
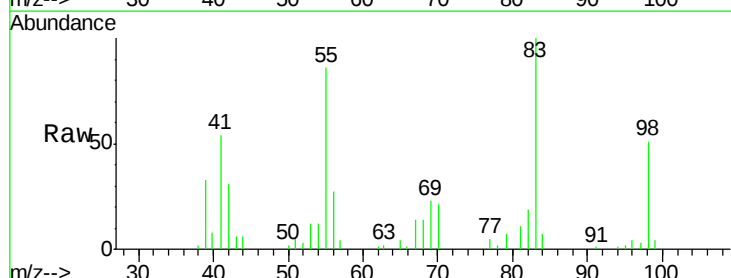
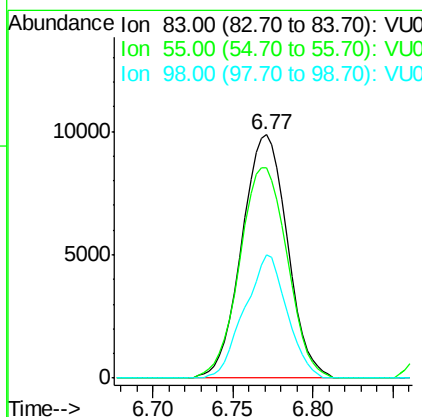
Manual Integrations
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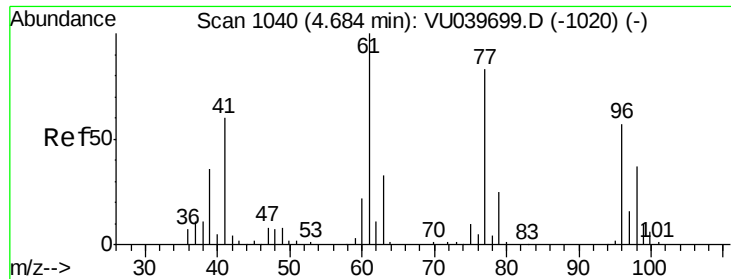
MMDadoda
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#20
Methylcyclohexane
Concen: 1.827 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Tgt Ion	Ratio	Lower	Upper
83	100		
55	90.3	67.6	101.4
98	47.3	37.3	55.9





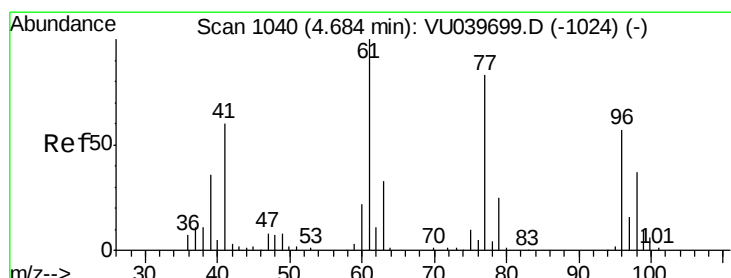
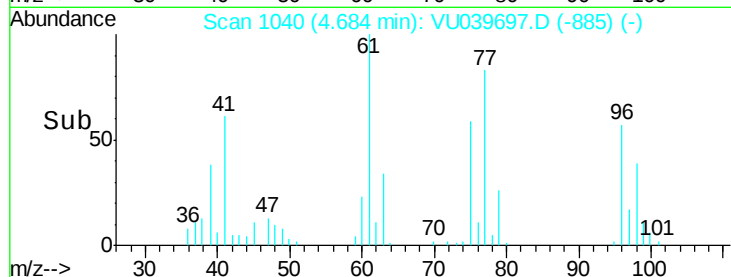
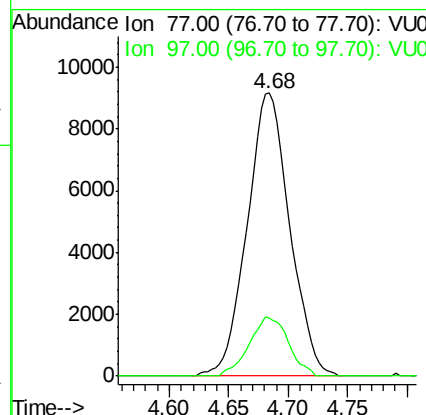
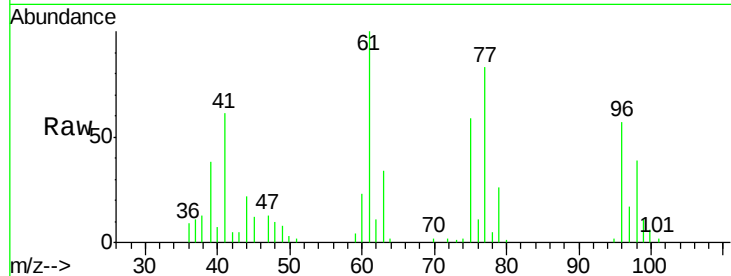
#21
 2,2-Dichloropropane
 Concen: 2.374 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU039697.D
 Acq: 29 Jul 2020 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion: 77 Resp: 22714
 Ion Ratio Lower Upper
 77 100
 97 19.3 15.2 22.8

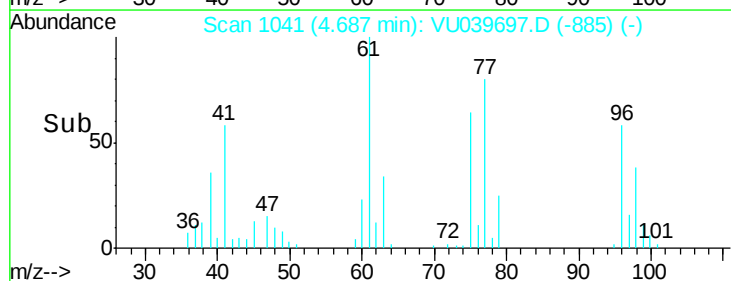
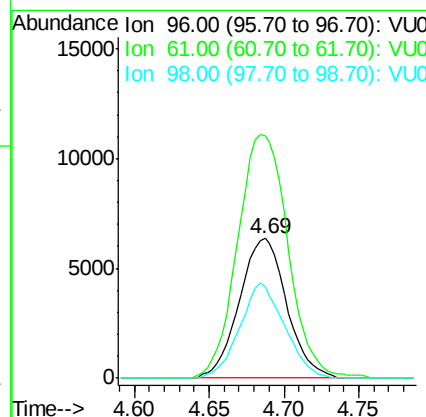
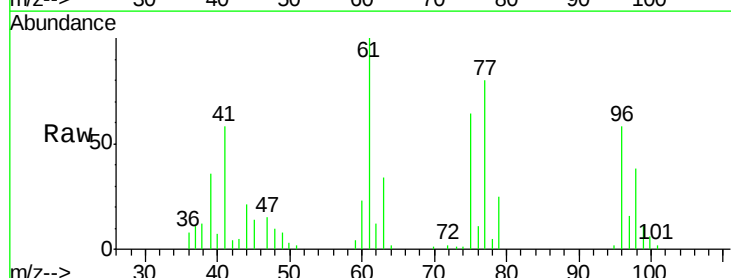
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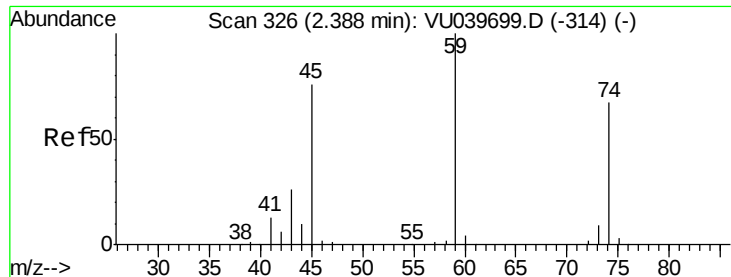
MMDadoda
 7/31/2020 3:42:50 PM



#22
 cis-1,2-Dichloroethene
 Concen: 2.232 ug/l
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU039697.D
 Acq: 29 Jul 2020 11:41

Tgt Ion: 96 Resp: 14029
 Ion Ratio Lower Upper
 96 100
 61 185.8 0.0 451.3
 98 64.5 32.6 98.0





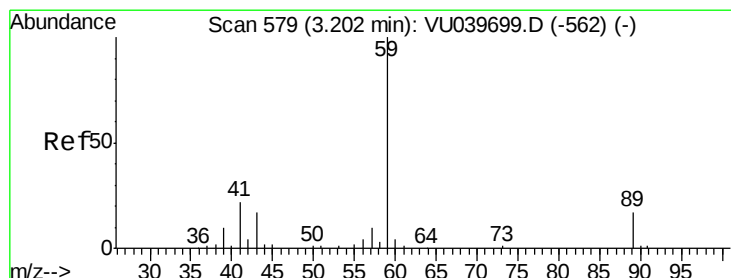
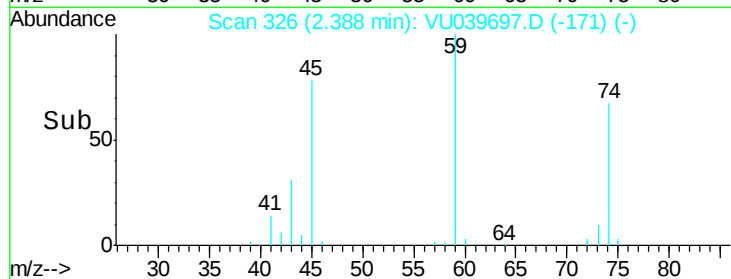
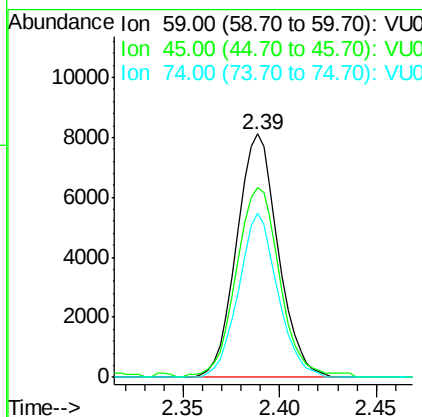
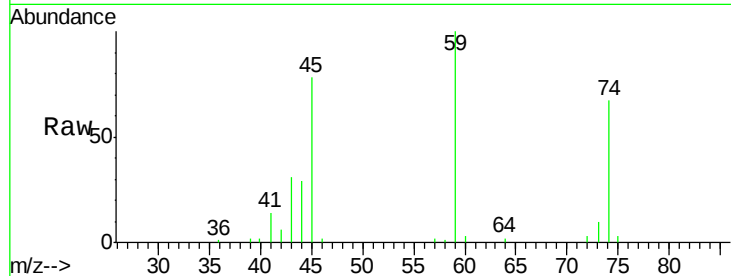
#23
Diethyl Ether
Concen: 2.499 ug/l
RT: 2.39 min Scan# 326
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
59	100		
45	82.1	61.5	92.3
74	63.6	54.3	81.5

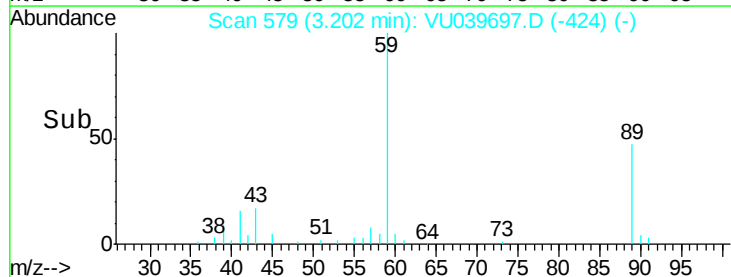
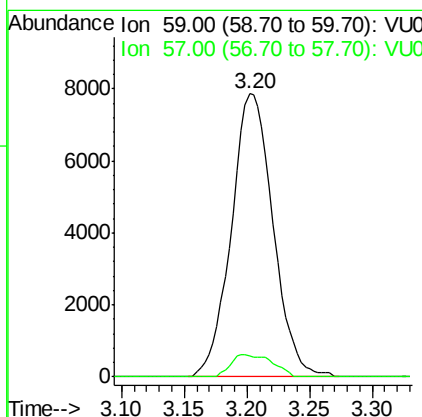
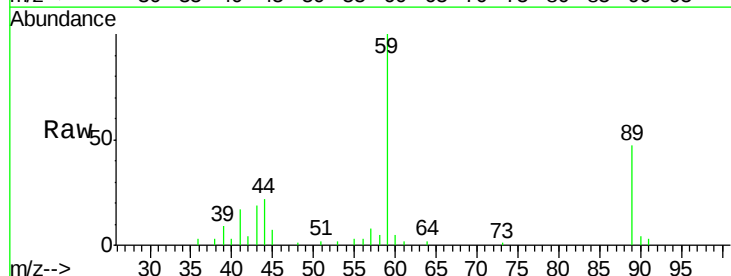
Manual Integrations
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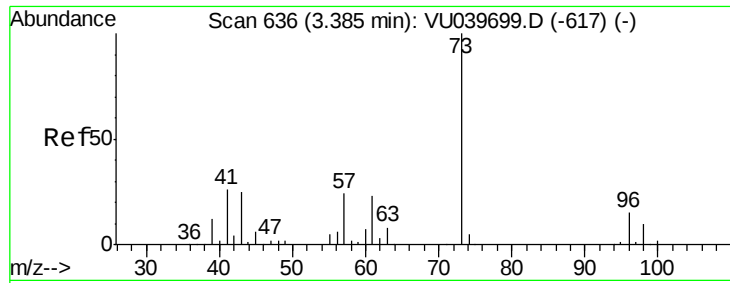
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#24
tert-Butyl Alcohol
Concen: 32.870 ug/l
RT: 3.20 min Scan# 579
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Tgt Ion	Ratio	Lower	Upper
59	100		
57	7.9	7.8	11.6





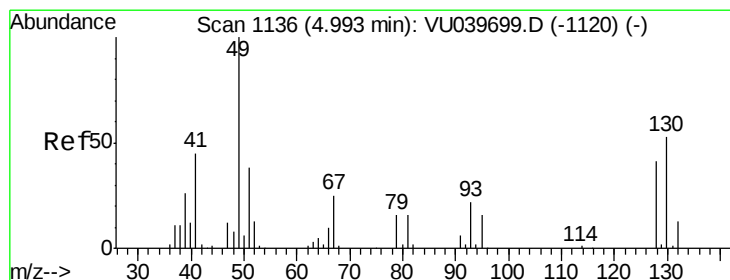
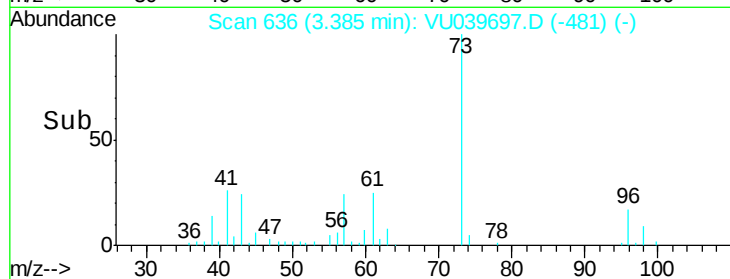
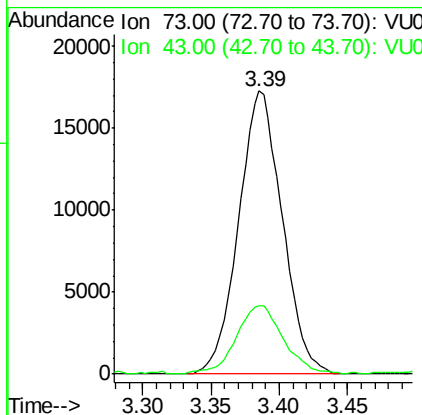
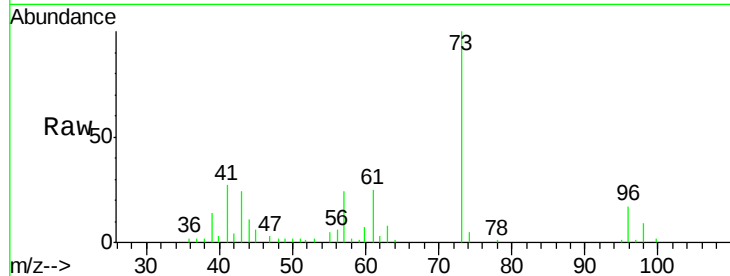
#25
Methvl tert-Butvl Ether
Concen: 2.505 ug/l
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
73	100		
43	26.3	20.1	30.1

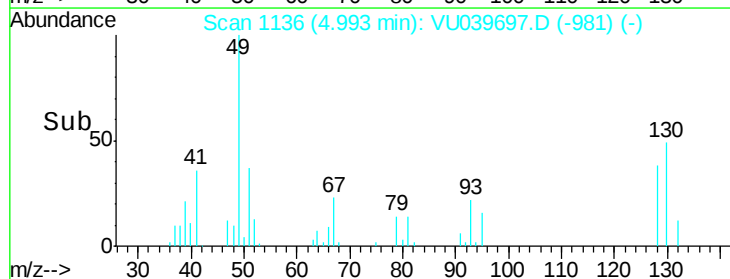
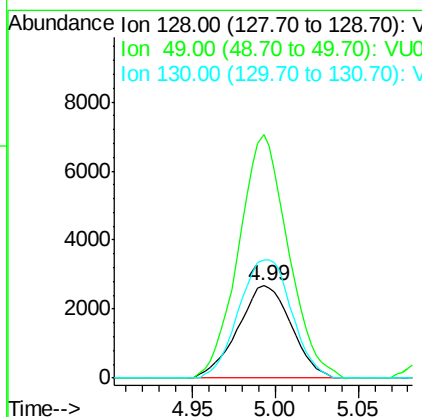
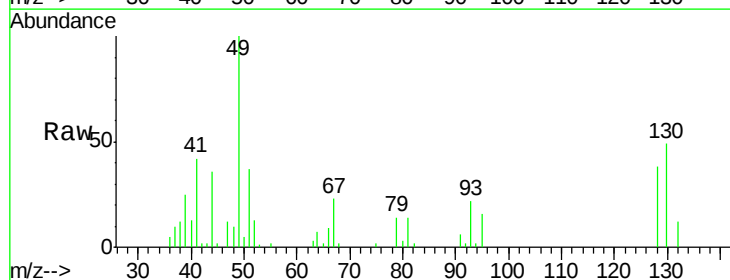
Manual Integrations
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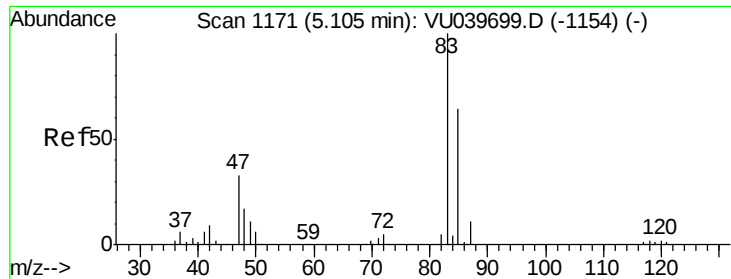
MMDadoda
7/31/2020 3:42:50 PM



#26
Bromochloromethane
Concen: 2.368 ug/l
RT: 4.99 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Tgt Ion	Ratio	Lower	Upper
128	100		
49	242.8	0.0	503.8
130	126.6	102.7	154.1





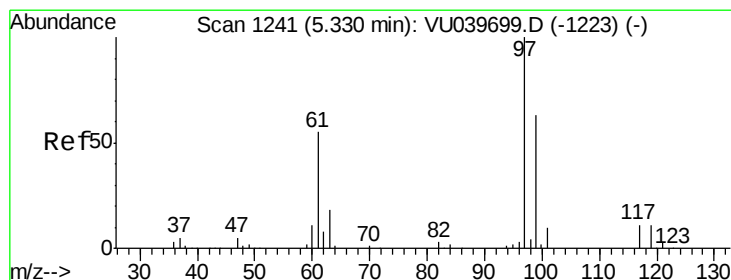
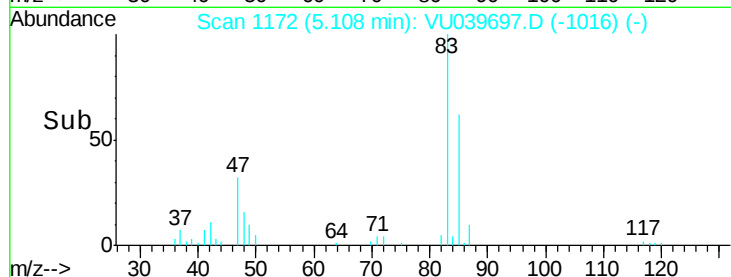
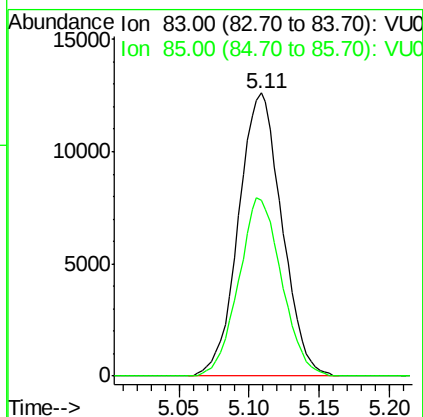
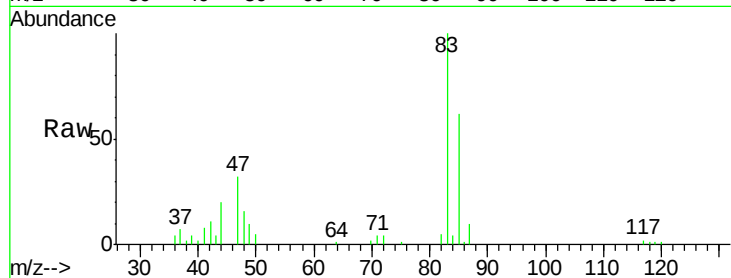
#27
Chloroform
Concen: 2.505 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	27101
Ion Ratio	100	Lower	Upper
85	62.0	0.0	128.8

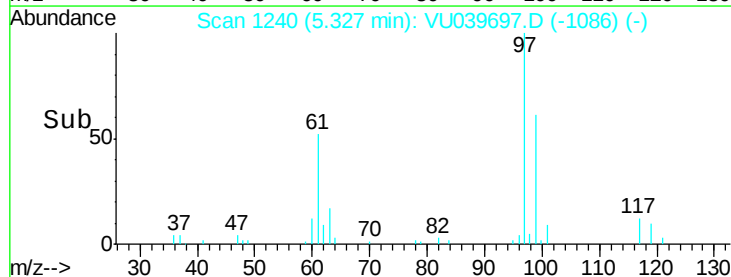
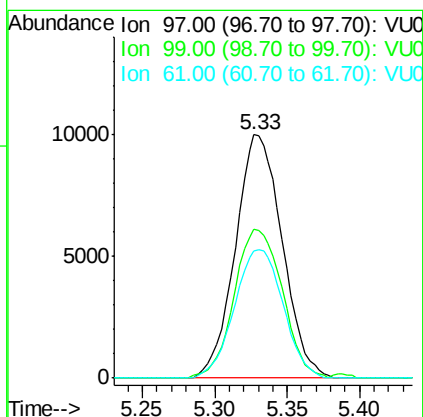
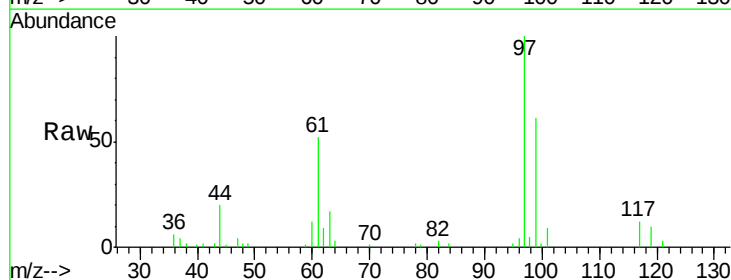
Manual Integrations
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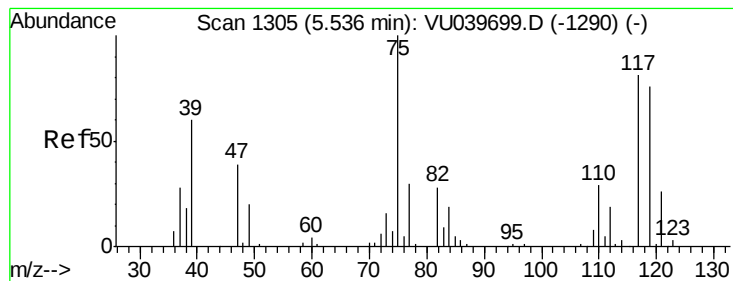
MMDadoda
7/31/2020 3:42:50 PM



#28
1,1,1-Trichloroethane
Concen: 2.530 ug/l
RT: 5.33 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Tgt Ion	97	Resp	22451
Ion Ratio	100	Lower	Upper
99	62.7	32.2	96.6
61	54.8	28.3	85.0





#29

1,1-Dichloropropene

Concen: 2.409 ug/l

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU039697.D

Acq: 29 Jul 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 75 Resp: 21322

Ion Ratio Lower Upper

75 100

110 28.8 14.6 44.0

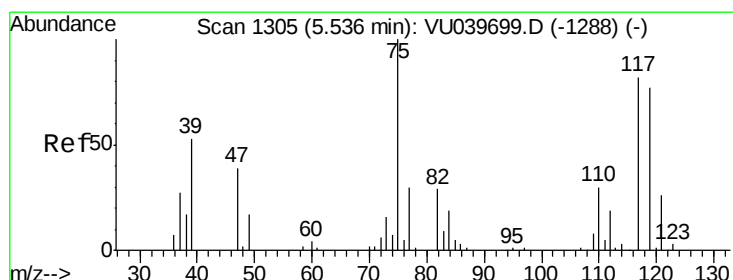
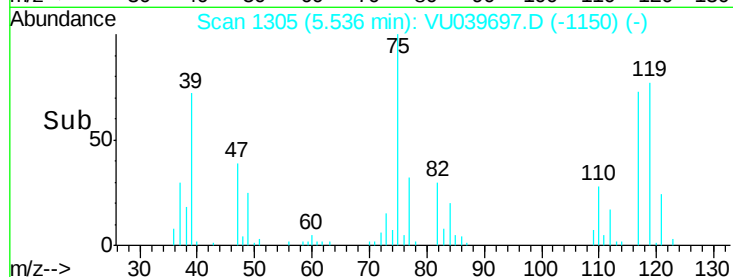
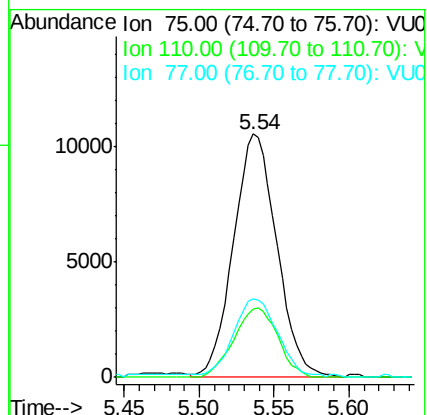
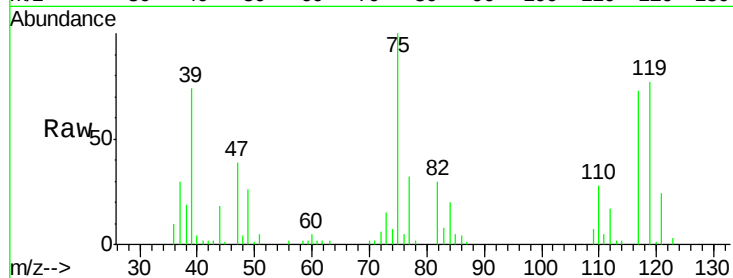
77 33.3 25.0 37.4

Manual Integrations

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7/31/2020 3:42:50 PM



#30

Carbon Tetrachloride

Concen: 2.388 ug/l

RT: 5.53 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VU039697.D

Acq: 29 Jul 2020 11:41

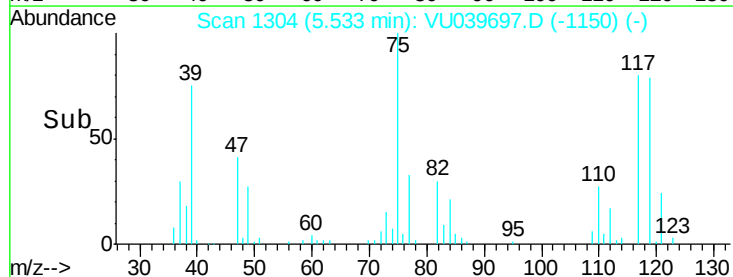
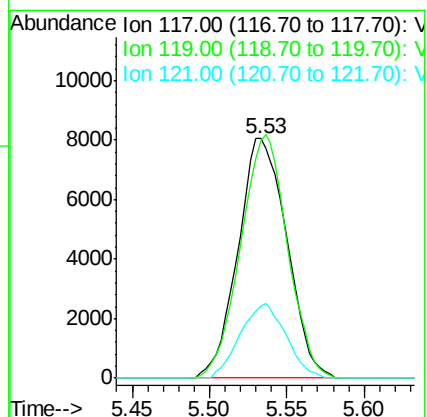
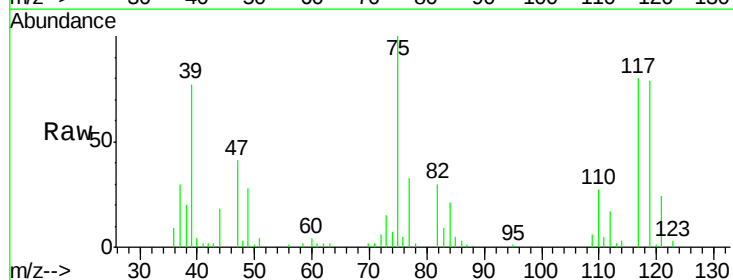
Tgt Ion: 117 Resp: 17662

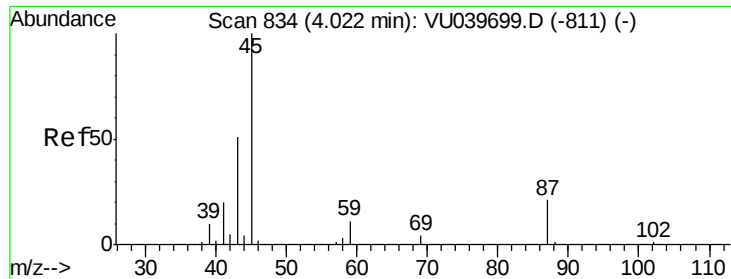
Ion Ratio Lower Upper

117 100

119 98.9 75.2 112.8

121 30.1 25.4 38.2





#31

Isopropyl Ether

Concen: 2.706 ug/l

RT: 4.02 min Scan# 834

Delta R.T. -0.00 min

Lab File: VU039697.D

Acq: 29 Jul 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 52469

Ion Ratio Lower Upper

45 100

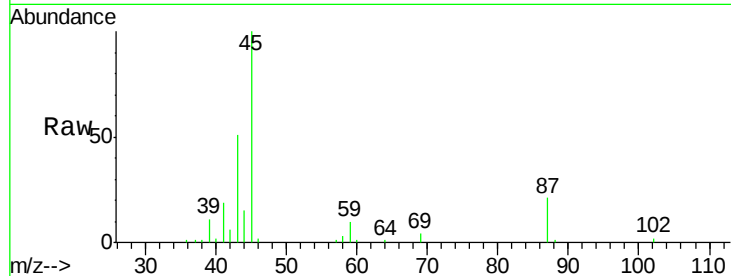
43 53.9 26.5 79.4

Manual Integrations

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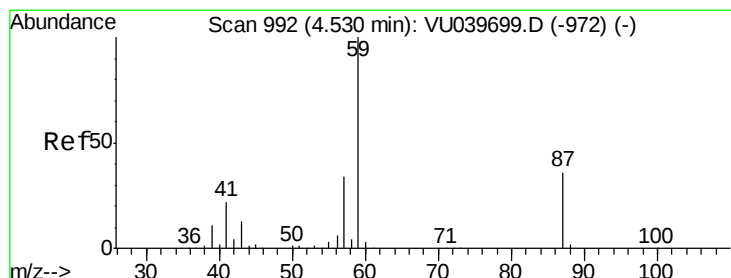
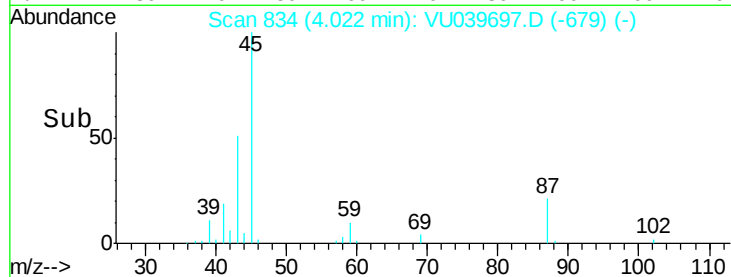
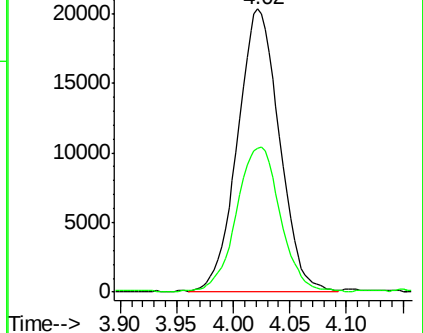
MMDadoda

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Abundance Ion 45.00 (44.70 to 45.70): VU039699.D (-811) (-)

Ion 43.00 (42.70 to 43.70): VU039699.D (-811) (-)



#32

Ethyl-t-butyl ether

Concen: 2.635 ug/l

RT: 4.53 min Scan# 992

Delta R.T. -0.00 min

Lab File: VU039697.D

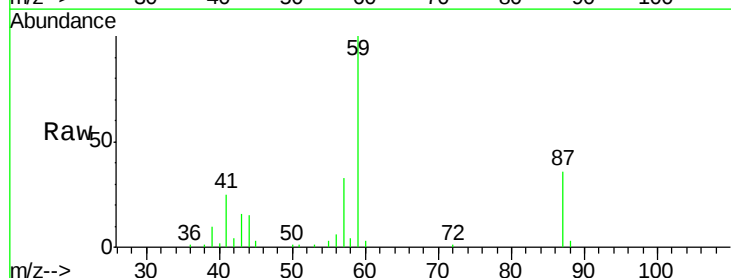
Acq: 29 Jul 2020 11:41

Tgt Ion: 59 Resp: 45566

Ion Ratio Lower Upper

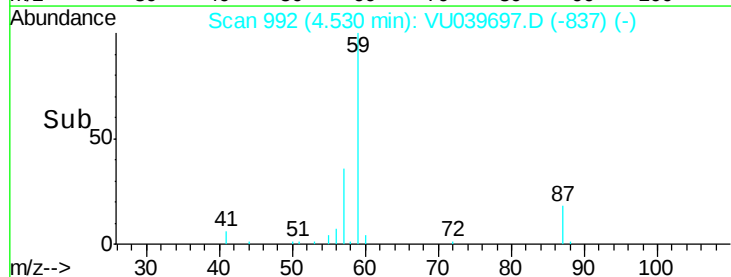
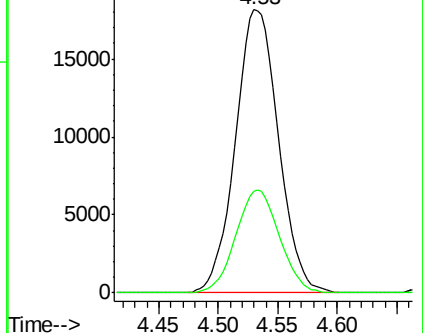
59 100

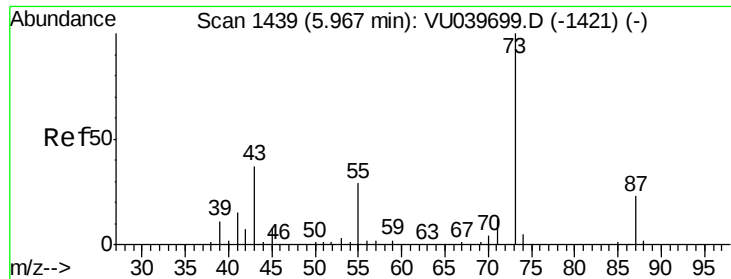
87 36.7 29.4 44.0



Abundance Ion 59.00 (58.70 to 59.70): VU039699.D (-972) (-)

Ion 87.00 (86.70 to 87.70): VU039699.D (-972) (-)





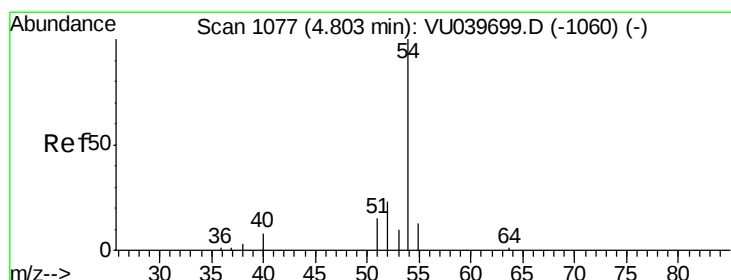
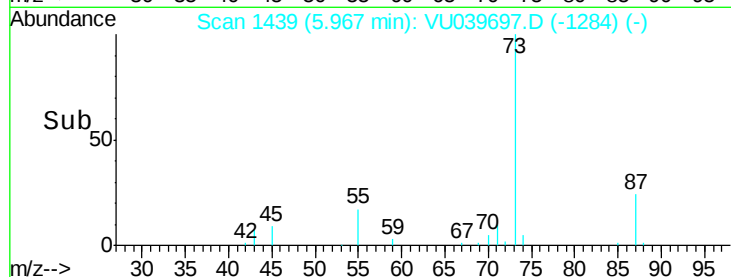
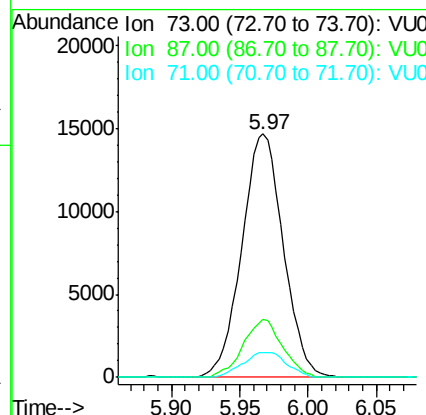
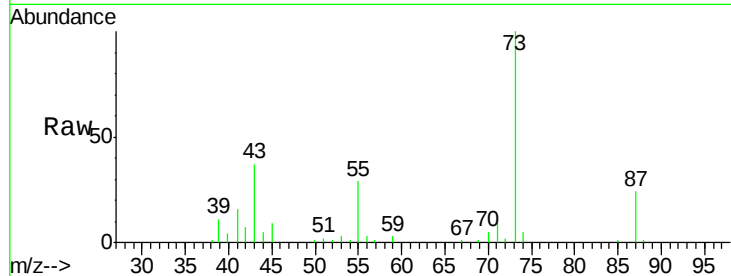
#33
Tert-Butyl methyl ether
Concen: 2.136 ug/l
RT: 5.97 min Scan# 1439
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.5	18.7	28.1
71	10.9	9.1	13.7

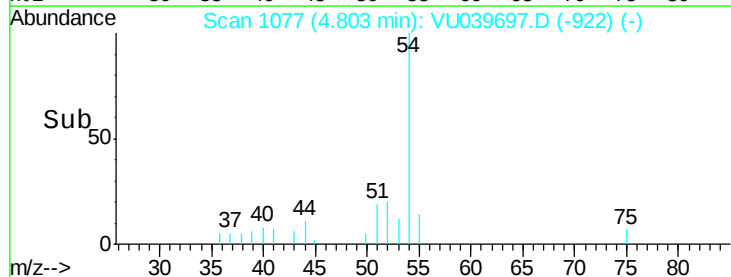
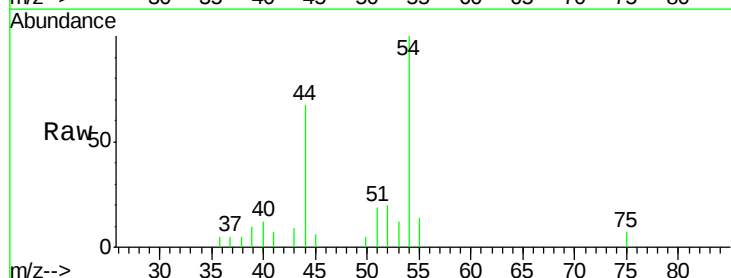
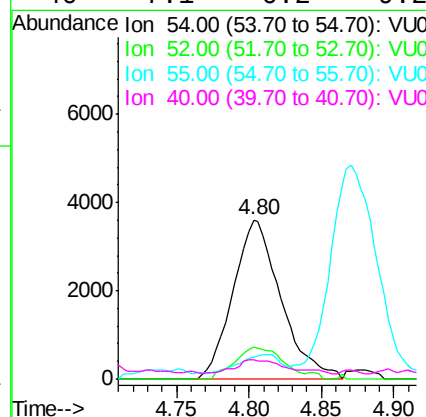
Manual Integrations
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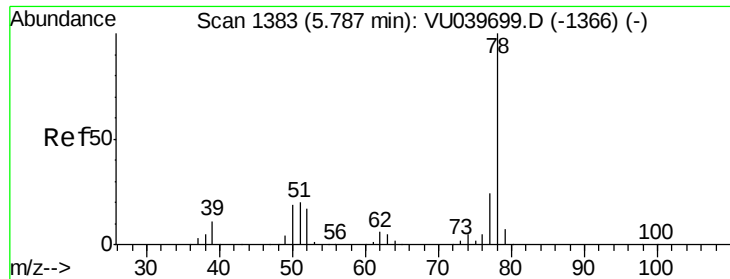
MMDadoda
7/31/2020 3:42:50 PM



#34
Propionitrile
Concen: 15.145 ug/l
RT: 4.80 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.8	16.9	25.3
55	11.1	12.9	19.3
40	7.1	6.2	9.2





#35

Benzene

Concen: 2.066 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU039697.D

Acq: 29 Jul 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC002

Tot Ion: 78 Resp: 50162

Ion Ratio Lower Upper

78 100

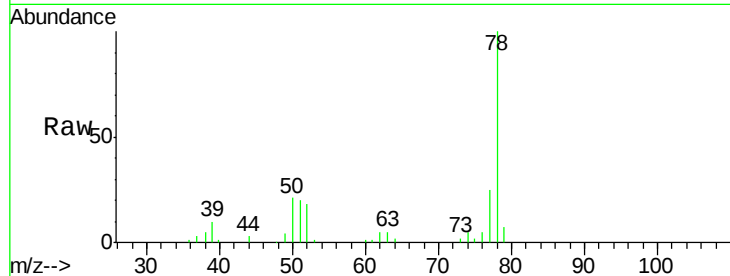
77 24.9 19.2 28.8

Manual Integrations

APPROVED

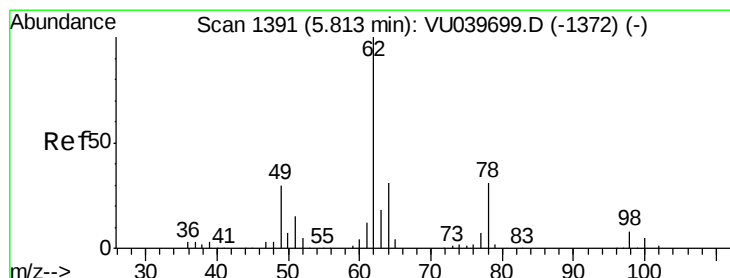
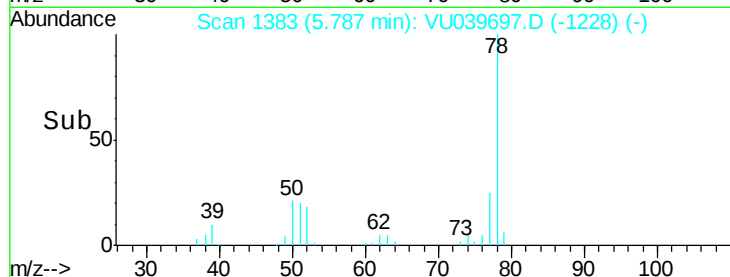
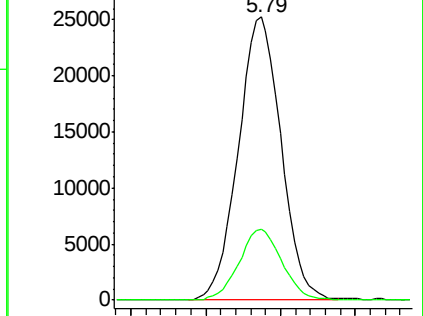
MMDadoda

7/31/2020 3:42:50 PM



Abundance Ion 78.10 (77.80 to 78.80): VU039699.D (-1366) (-)

Ion 77.00 (76.70 to 77.70): VU039699.D (-1366) (-)



#36

1,2-Dichloroethane

Concen: 2.606 ug/l

RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VU039697.D

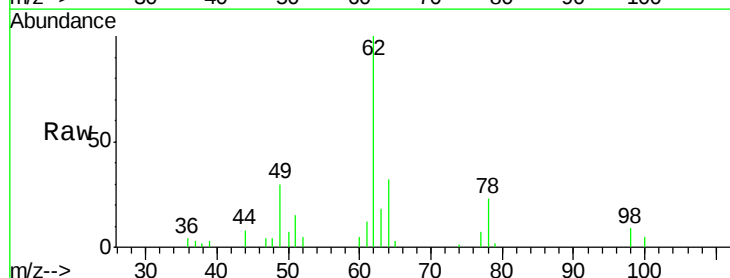
Acq: 29 Jul 2020 11:41

Tgt Ion: 62 Resp: 19580

Ion Ratio Lower Upper

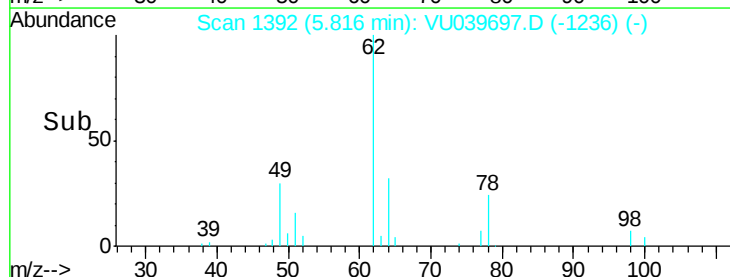
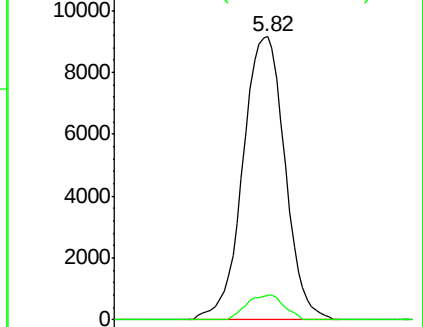
62 100

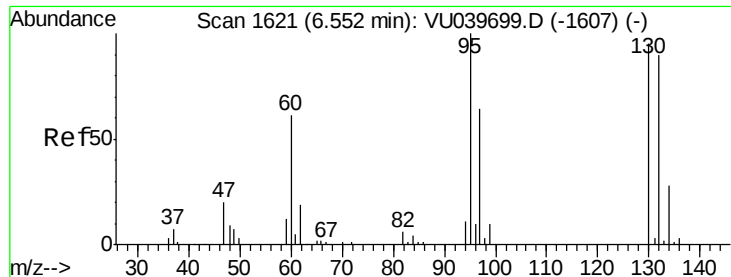
98 7.8 6.2 9.2



Abundance Ion 62.00 (61.70 to 62.70): VU039699.D (-1372) (-)

Ion 98.00 (97.70 to 98.70): VU039699.D (-1372) (-)





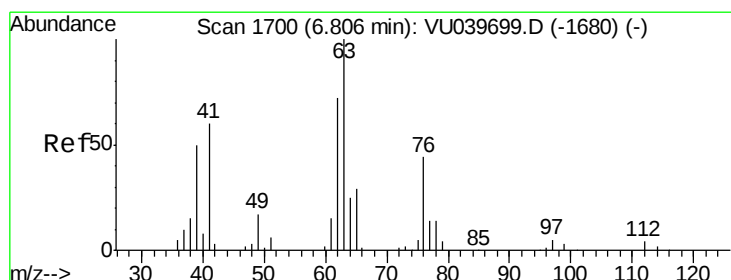
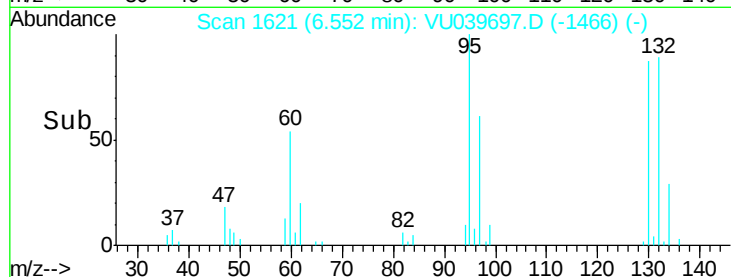
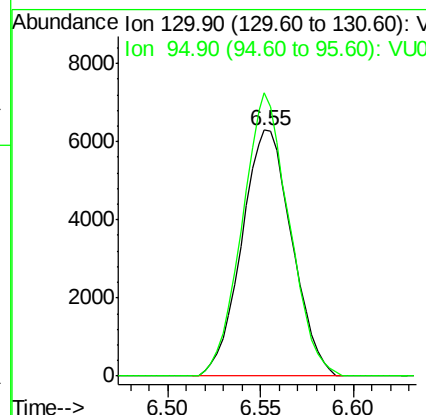
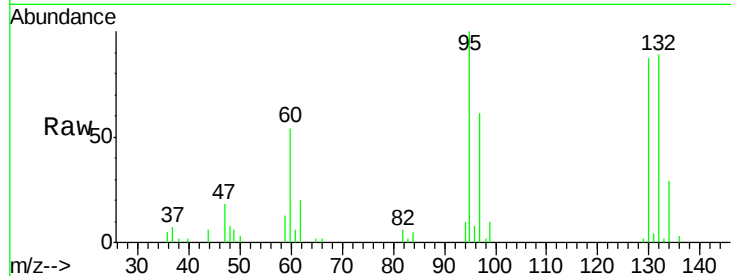
#37
 Trichloroethene
 Concen: 1.882 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU039697.D
 Acq: 29 Jul 2020 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:130 Resp: 11832
 Ion Ratio Lower Upper
 130 100
 95 115.1 84.3 126.5

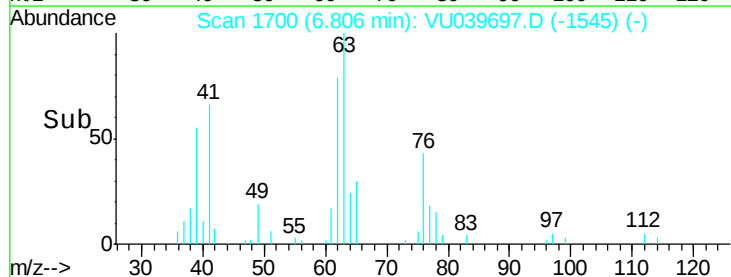
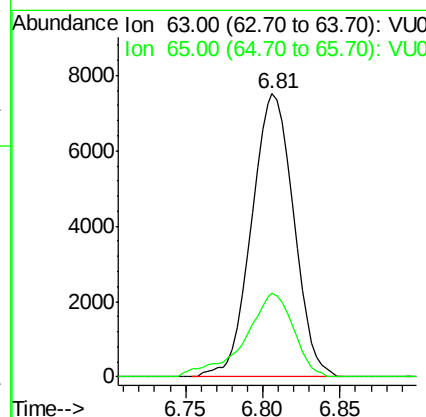
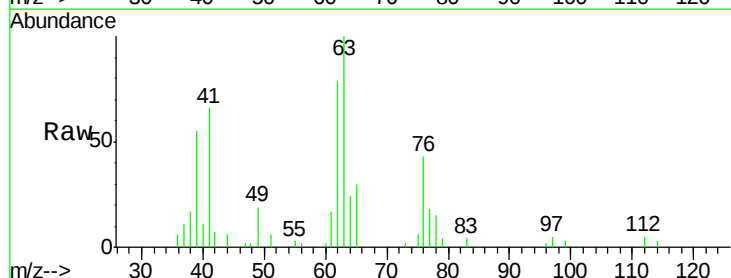
Manual Integrations
 APPROVED

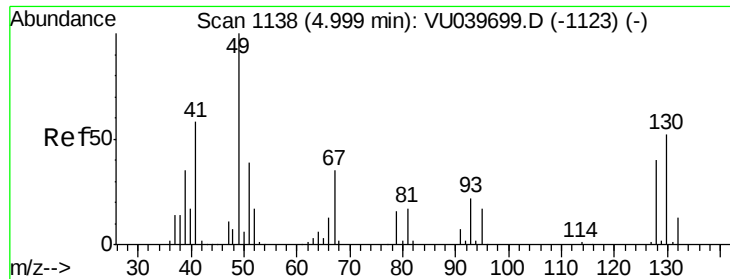
MMDadoda
 7/31/2020 3:42:50 PM



#38
 1,2-Dichloropropane
 Concen: 2.148 ug/l
 RT: 6.81 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VU039697.D
 Acq: 29 Jul 2020 11:41

Tgt Ion: 63 Resp: 14240
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.8 35.6





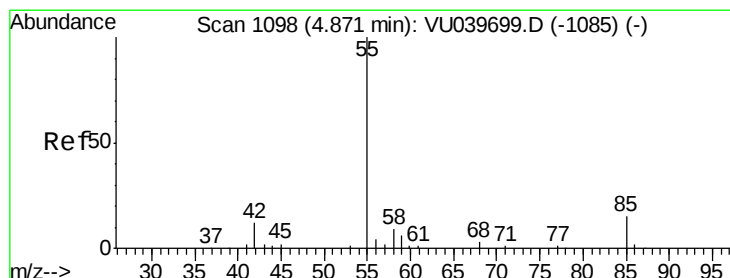
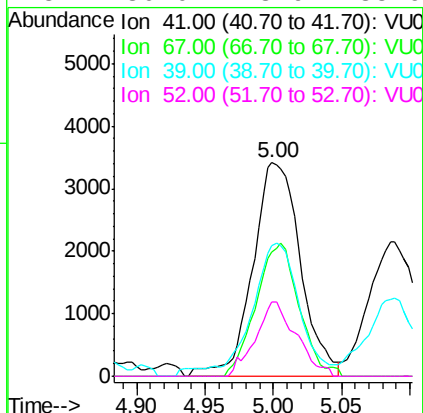
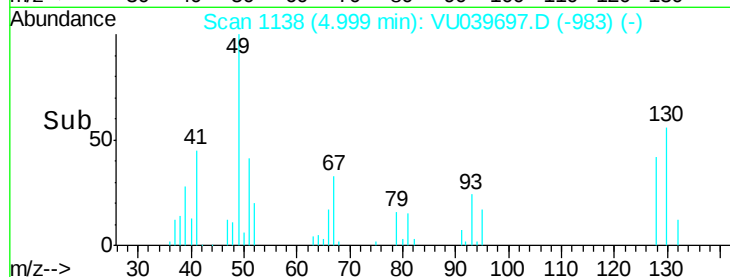
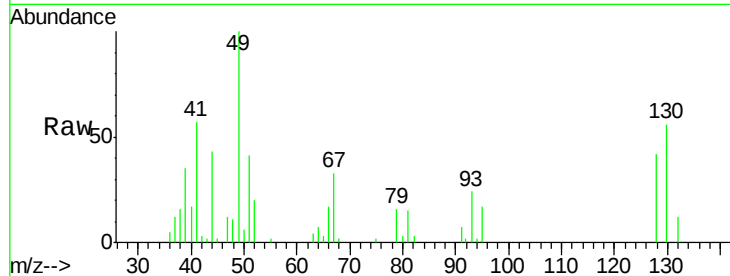
#39
Methacrylonitrile
Concen: 3.222 ug/l
RT: 5.00 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	41	Resp:	8290
Ion	Ratio	Lower	Upper
41	100		
67	56.1	48.3	72.5
39	52.1	47.6	71.4
52	30.0	23.9	35.9

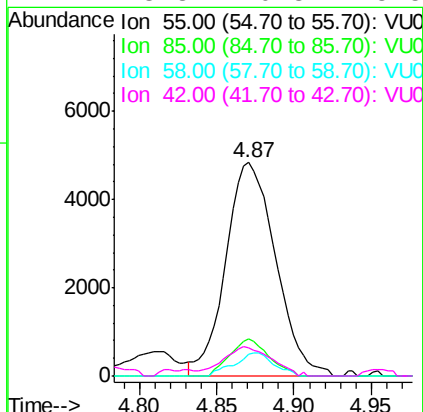
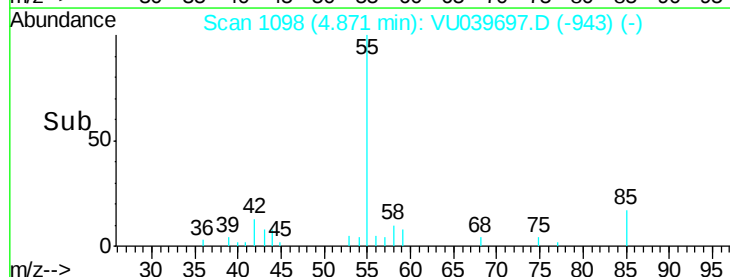
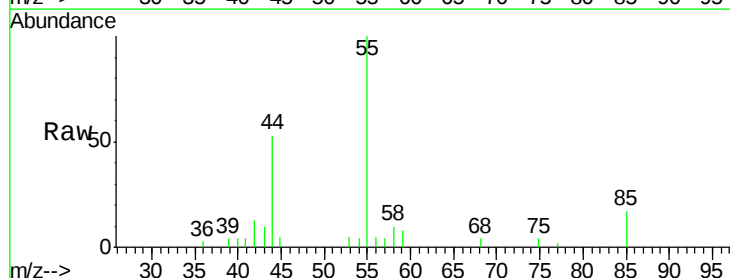
Manual Integrations
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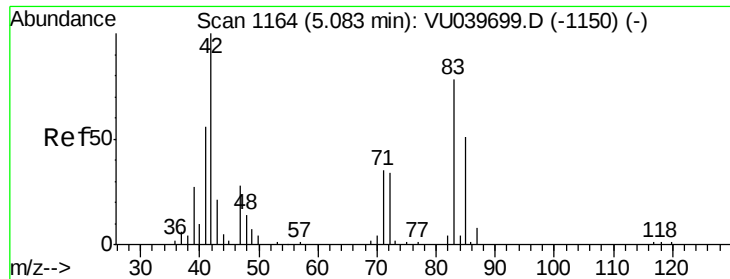
MMDadoda
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#40
Methyl acrylate
Concen: 2.899 ug/l
RT: 4.87 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Tgt Ion	55	Resp:	10832
Ion	Ratio	Lower	Upper
55	100		
85	13.4	11.4	17.0
58	8.6	7.4	11.0
42	13.3	10.3	15.5





#41

Tetrahydrofuran

Concen: 6.096 ug/l

RT: 5.09 min Scan# 1166

Delta R.T. 0.01 min

Lab File: VU039697.D

Acq: 29 Jul 2020 11:41

Instrument :

MSVOA_U

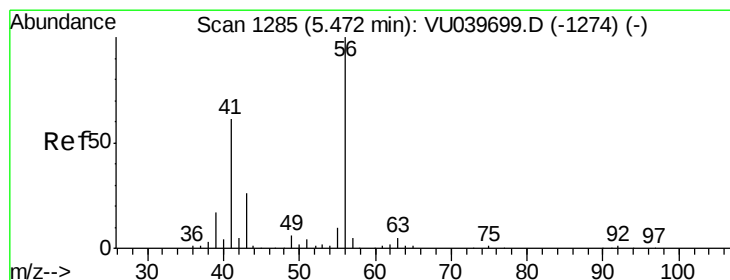
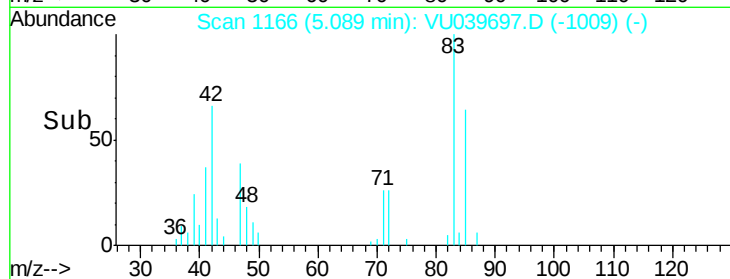
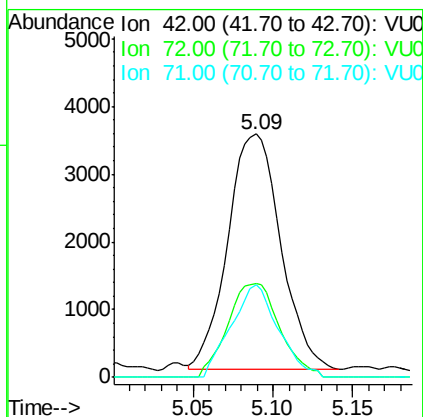
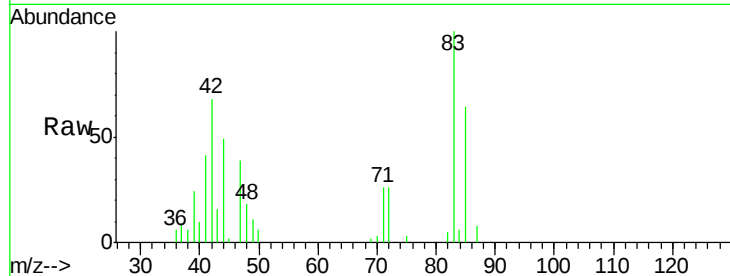
ClientSampleId :

VSTDIC002

Tot Ion:	42	Resp:	7883
Ion	Ratio	Lower	Upper
42	100		
72	39.1	31.0	46.6
71	35.0	28.2	42.4

Manual Integrations
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7/31/2020 3:42:50 PM



#42

1-Chlorobutane

Concen: 2.555 ug/l

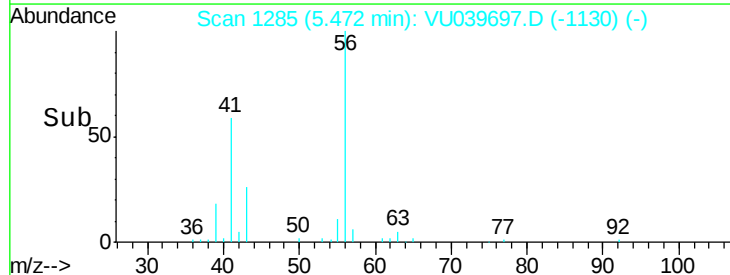
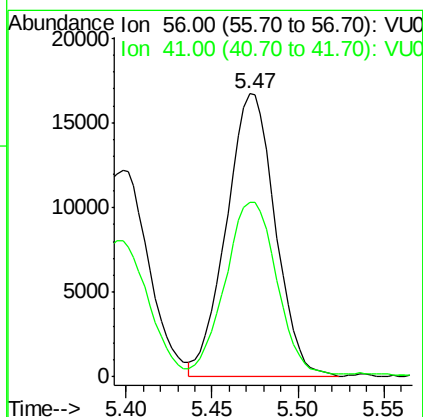
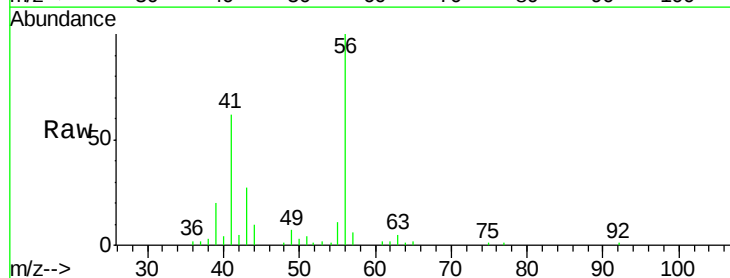
RT: 5.47 min Scan# 1285

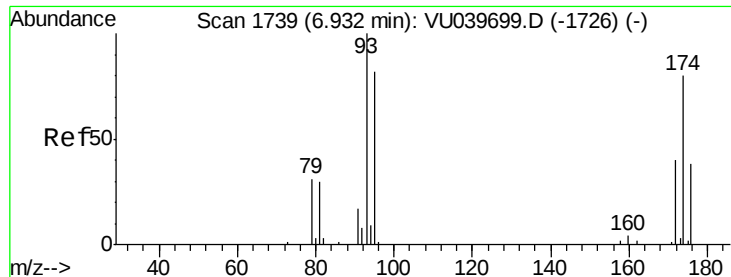
Delta R.T. -0.00 min

Lab File: VU039697.D

Acq: 29 Jul 2020 11:41

Tgt Ion:	56	Resp:	33161
Ion	Ratio	Lower	Upper
56	100		
41	63.2	30.5	91.5





#43

Dibromomethane

Concen: 2.451 ug/l

RT: 6.93 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VU039697.D

Acq: 29 Jul 2020 11:41

Instrument :

MSVOA_U

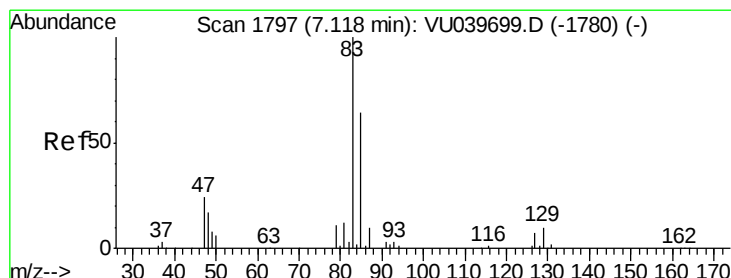
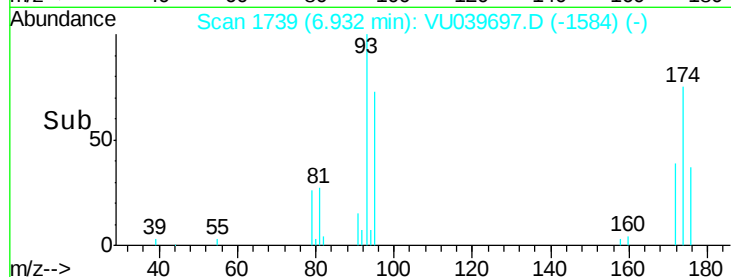
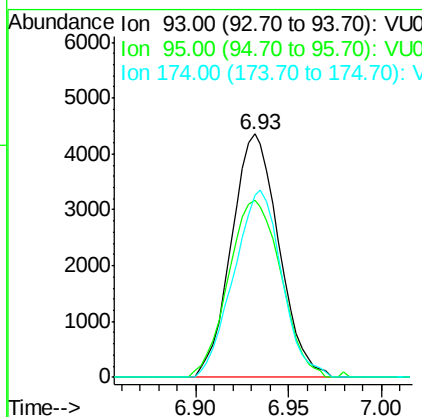
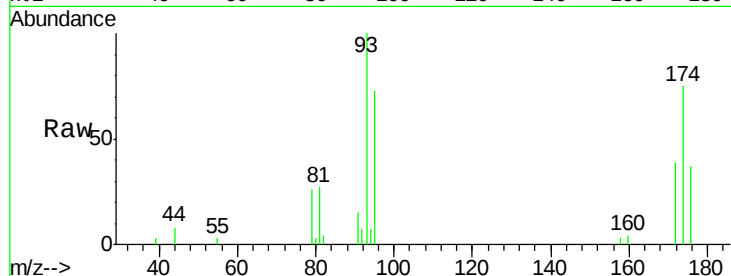
ClientSampleId :

VSTDIC002

Tot Ion:	93	Resp:	7711
Ion	Ratio	Lower	Upper
93	100		
95	80.8	66.6	99.8
174	78.0	62.7	94.1

Manual Integrations
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#44

Bromodichloromethane

Concen: 2.152 ug/l

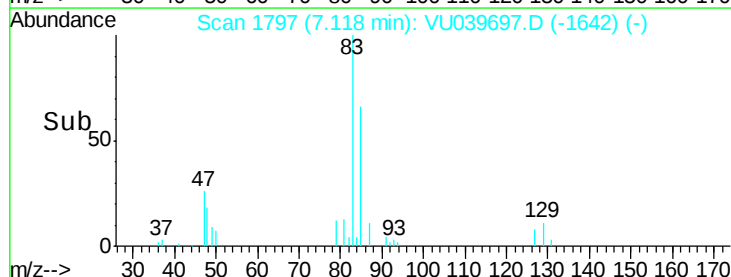
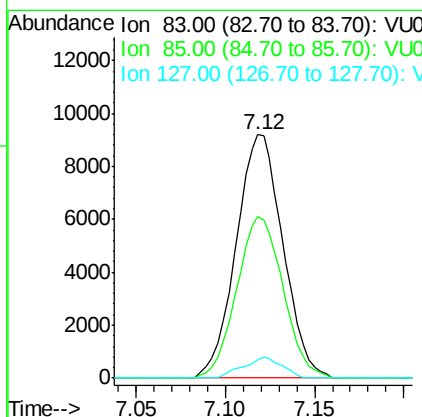
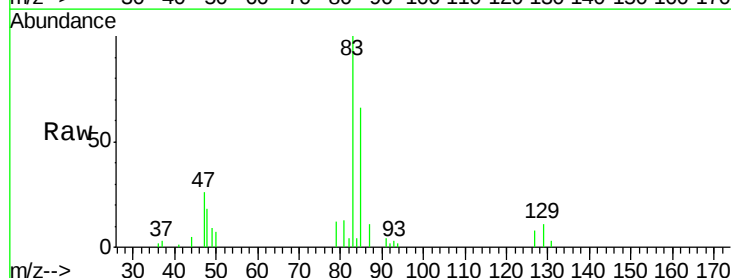
RT: 7.12 min Scan# 1797

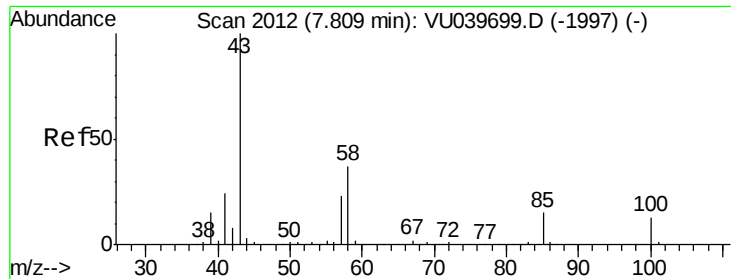
Delta R.T. -0.00 min

Lab File: VU039697.D

Acq: 29 Jul 2020 11:41

Tgt Ion:	83	Resp:	16828
Ion	Ratio	Lower	Upper
83	100		
85	66.4	50.8	76.2
127	7.8	5.8	8.6





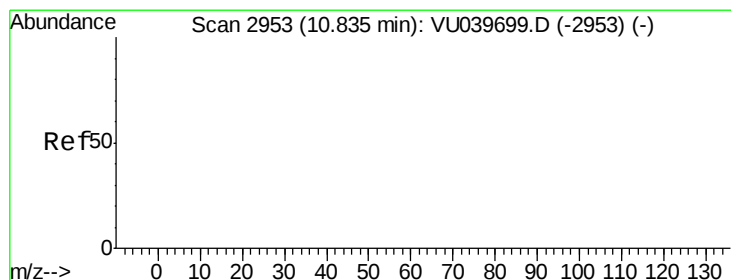
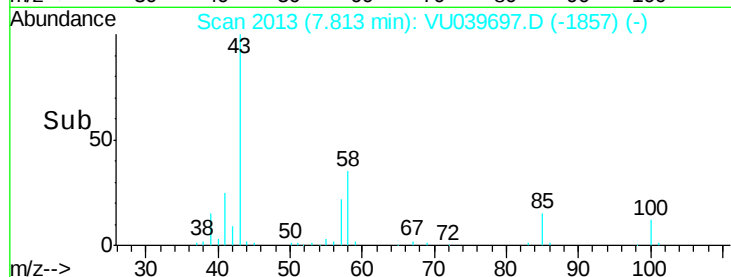
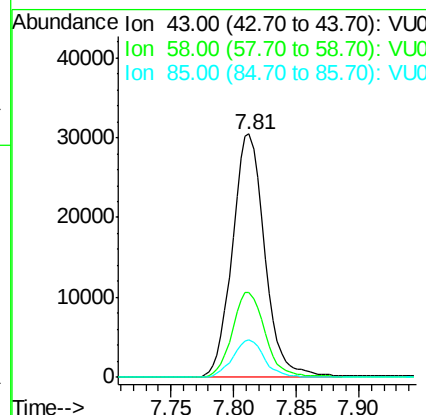
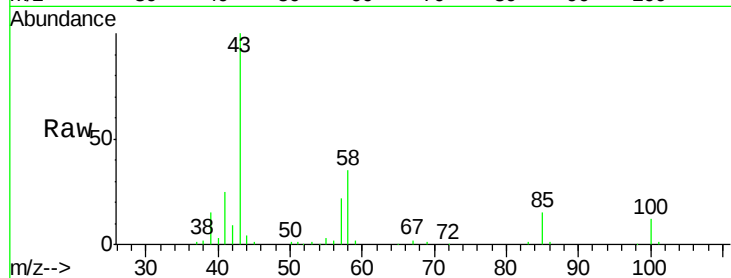
#45
4-Methyl-2-Pentanone
Concen: 12.383 ug/l
RT: 7.81 min Scan# 2013
Delta R.T. 0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.6	18.4	55.0
85	14.8	11.8	17.6

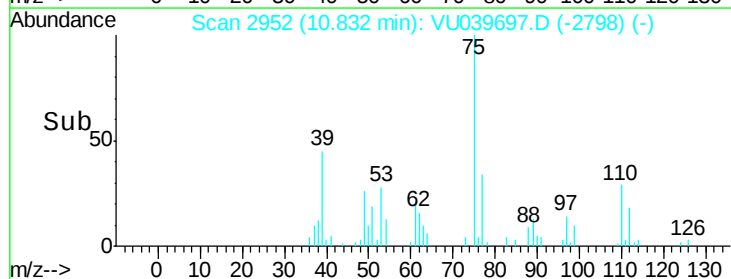
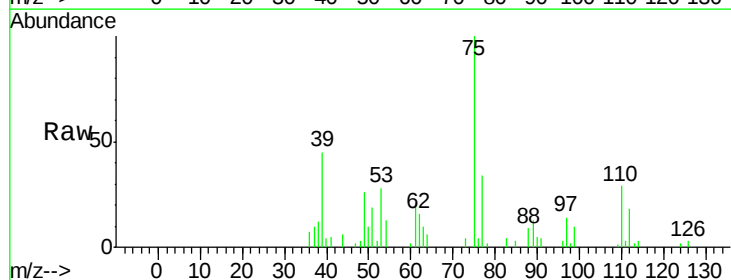
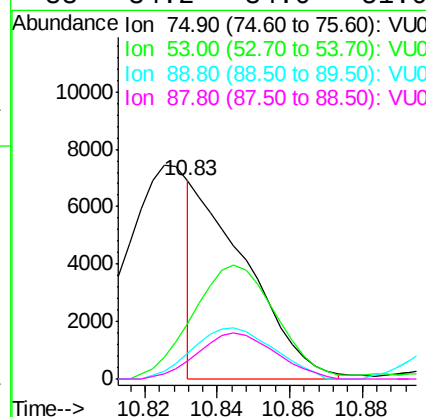
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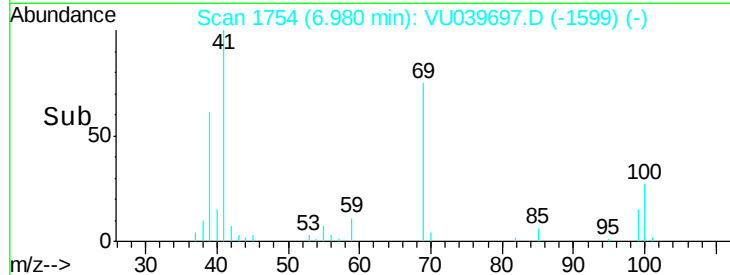
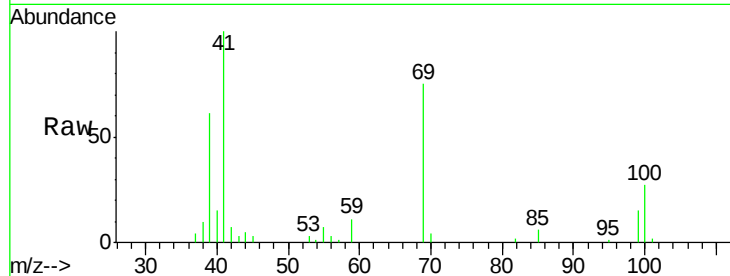
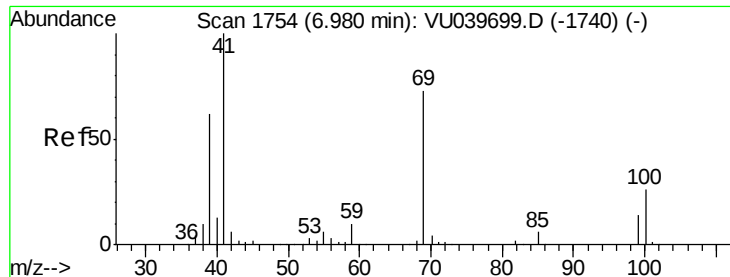
MMDadoda
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#46
t-1,4-Dichloro-2-butene
Concen: 5.255 ug/l m
RT: 10.83 min Scan# 2952
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
53	89.5	78.6	118.0
89	39.1	40.3	60.5#
88	34.2	34.0	51.0





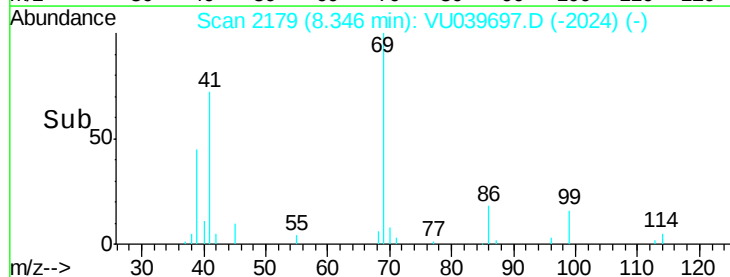
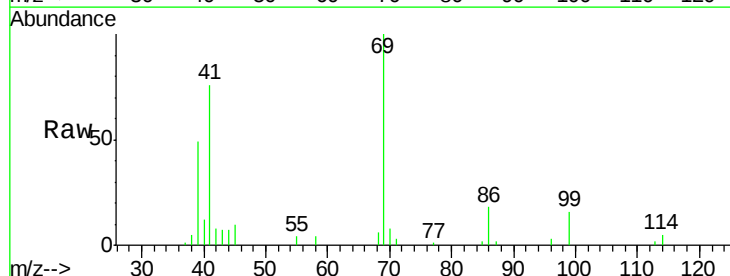
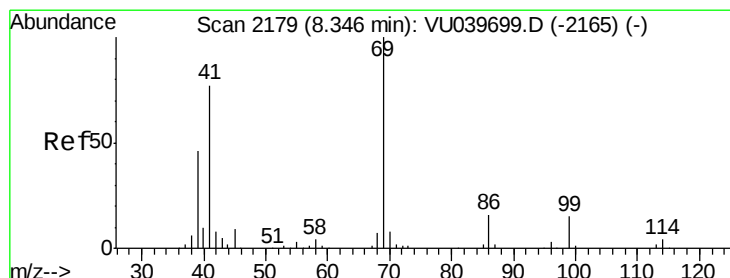
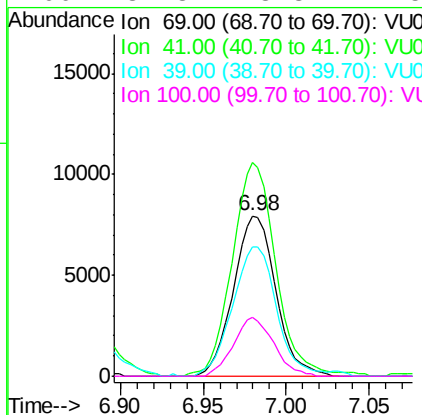
#47
Methyl methacrylate
Concen: 4.430 ug/l
RT: 6.98 min Scan# 1754
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	137.6	0.0	271.6		
39	85.1	67.4	101.2		
100	34.8	28.3	42.5		

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

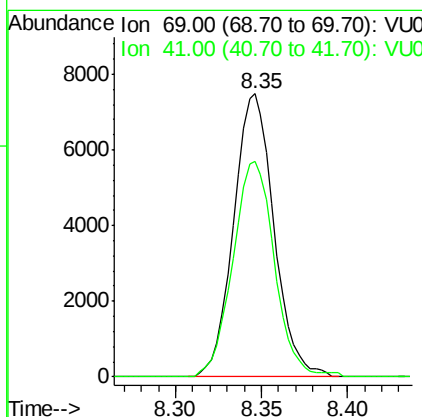
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7/31/2020 3:42:50 PM



#48
Ethyl methacrylate
Concen: 2.085 ug/l
RT: 8.35 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	78.0	39.1	117.5		





#49

Toluene

Concen: 1.948 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039697.D

Acq: 29 Jul 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 92 Resp: 29887

Ion Ratio Lower Upper

92 100

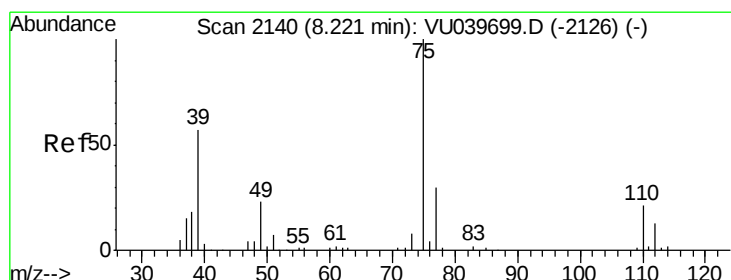
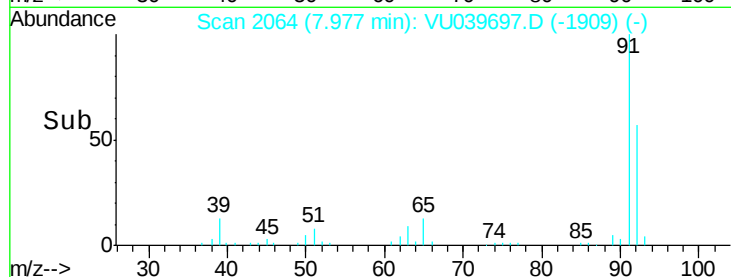
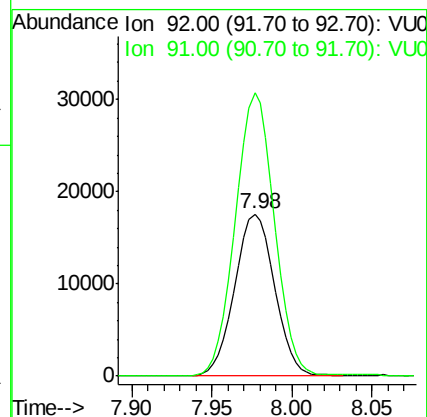
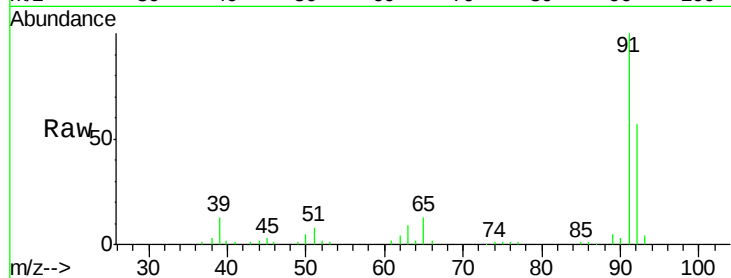
91 170.4 136.1 204.1

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7/31/2020 3:42:50 PM



#50

t-1,3-Dichloropropene

Concen: 1.885 ug/l

RT: 8.22 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VU039697.D

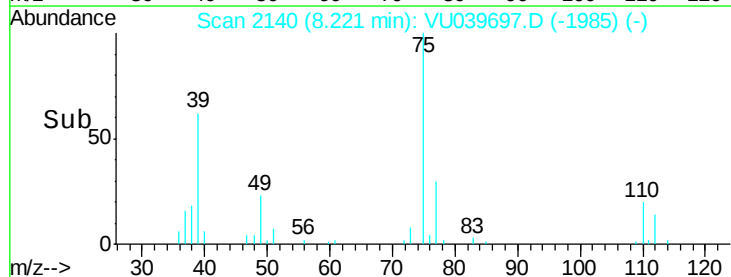
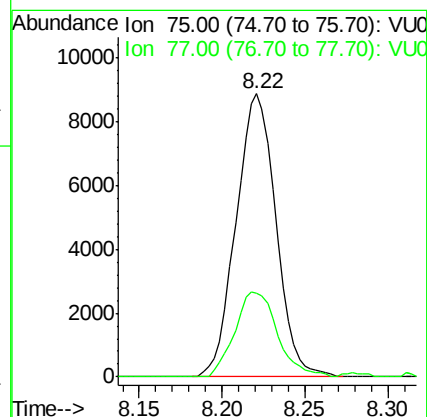
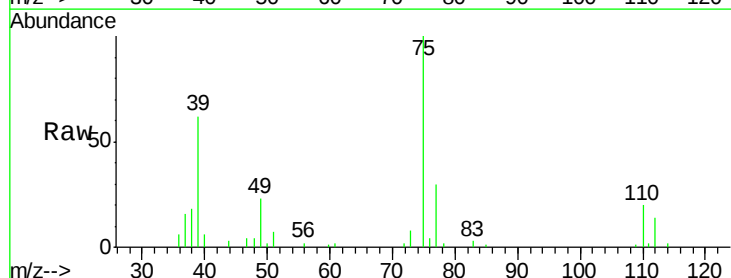
Acq: 29 Jul 2020 11:41

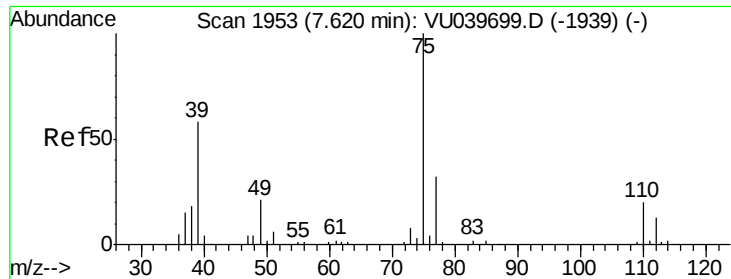
Tgt Ion: 75 Resp: 14849

Ion Ratio Lower Upper

75 100

77 29.7 24.3 36.5





#51

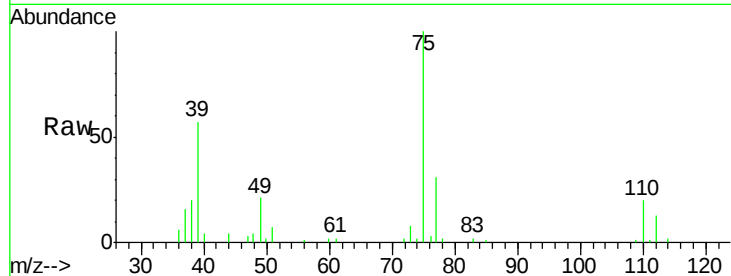
cis-1,3-Dichloropropene
Concen: 1.923 ug/l
RT: 7.62 min Scan# 1953
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Instrument :
MSVOA_U
ClientSampled :
VSTDIC002

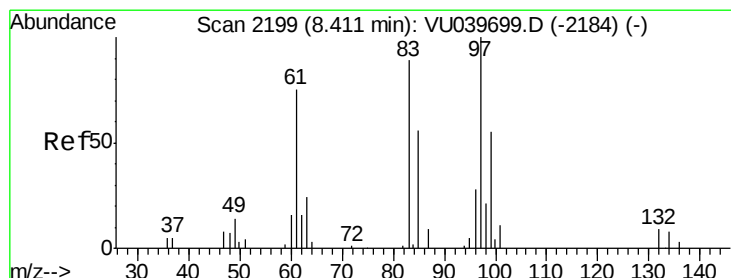
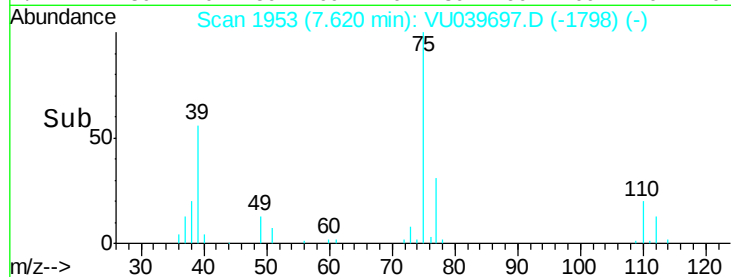
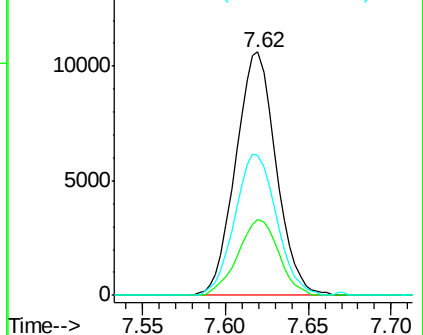
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.7	38.5
39	57.3	46.1	69.1

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Abundance Ion 75.00 (74.70 to 75.70): VU039699.D (-1939) (-)

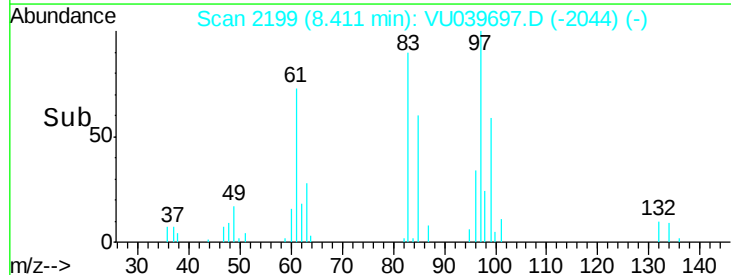
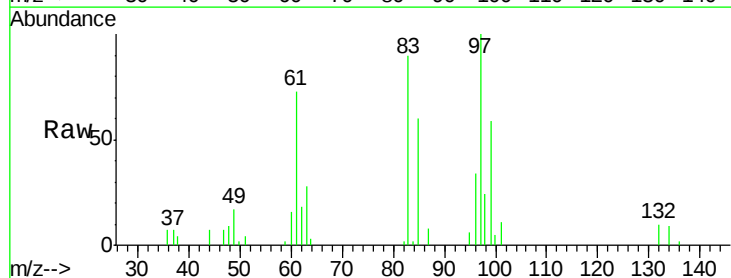
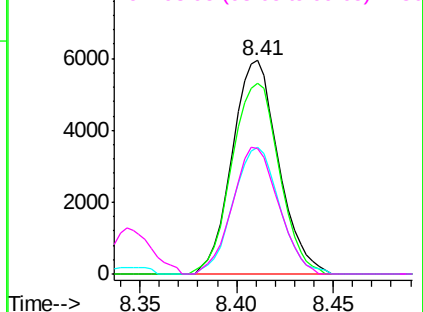


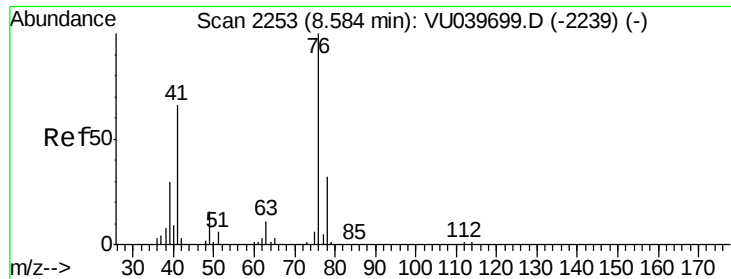
#52

1,1,2-Trichloroethane
Concen: 2.255 ug/l
RT: 8.41 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.3	106.9
85	59.6	45.4	68.2
99	59.0	49.4	74.0

Abundance Ion 97.00 (96.70 to 97.70): VU039699.D (-2184) (-)





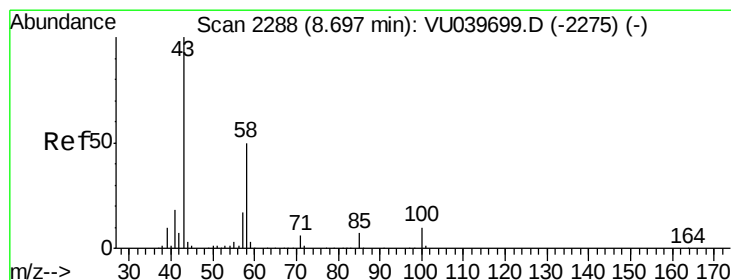
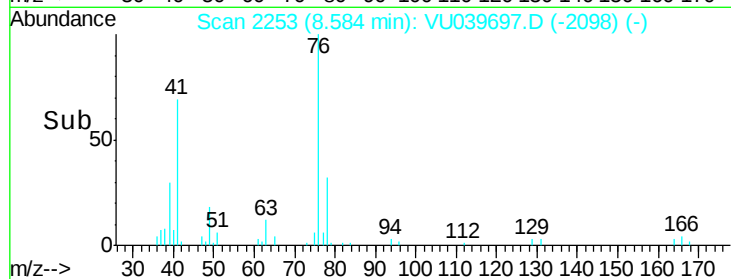
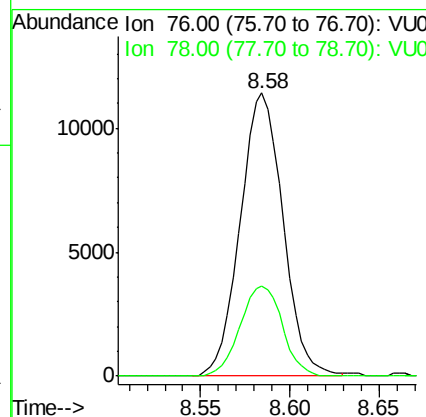
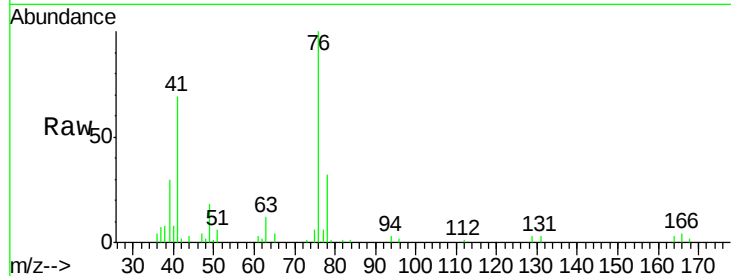
#53
 1,3-Dichloropropane
 Concen: 2.305 ug/l
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU039697.D
 Acq: 29 Jul 2020 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.4	38.2

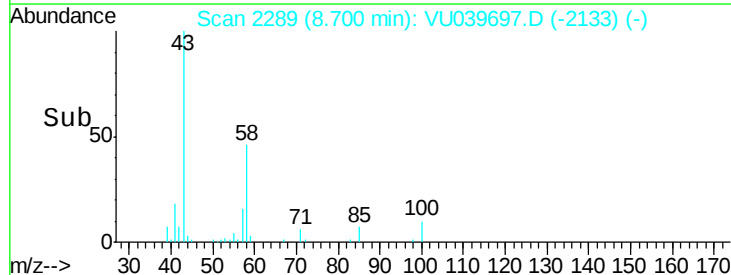
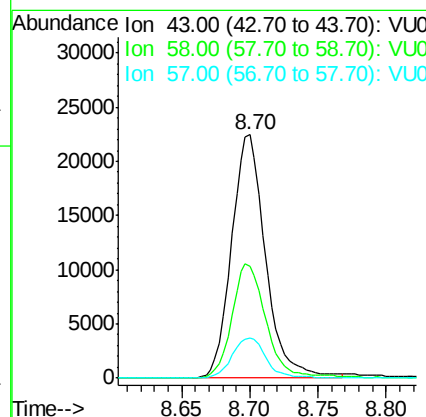
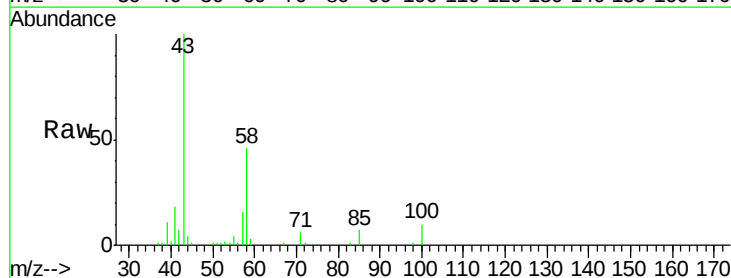
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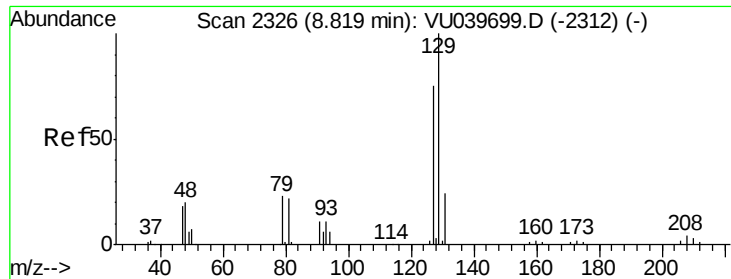
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 7/31/2020 3:42:50 PM



#54
 2-Hexanone
 Concen: 12.392 ug/l
 RT: 8.70 min Scan# 2289
 Delta R.T. 0.00 min
 Lab File: VU039697.D
 Acq: 29 Jul 2020 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	46.4	29.9	69.9
57	16.3	0.0	37.2





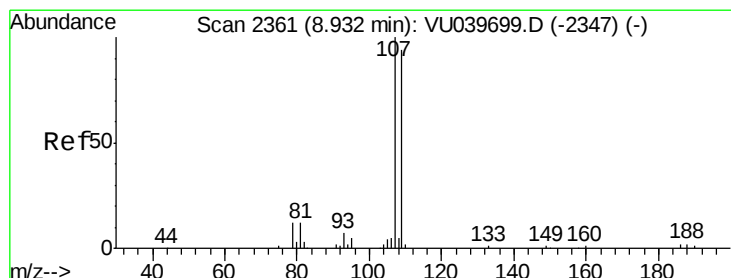
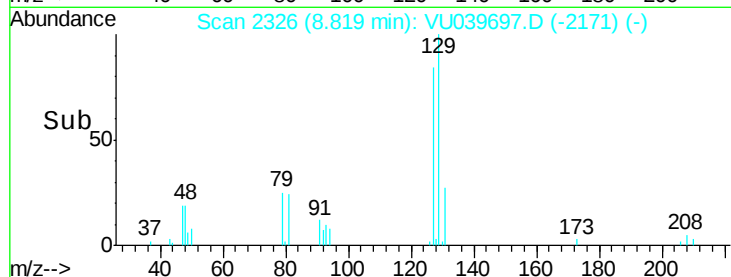
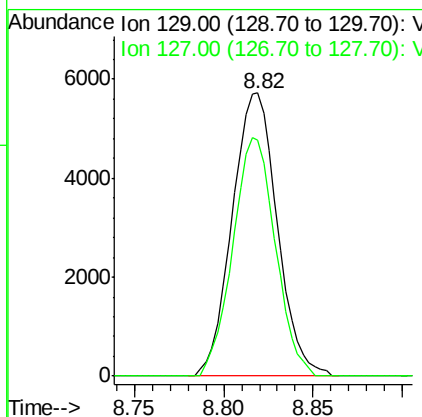
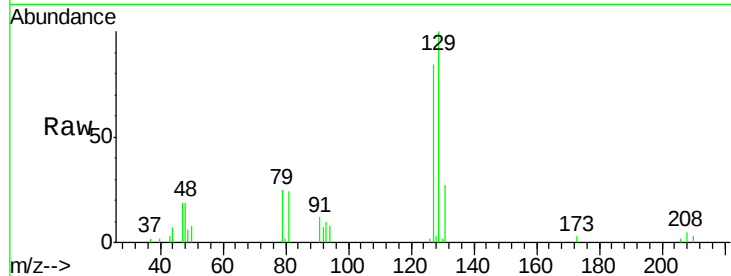
#55
Dibromochloromethane
Concen: 2.074 ug/l
RT: 8.82 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
129	100		
127	79.6	62.4	93.6

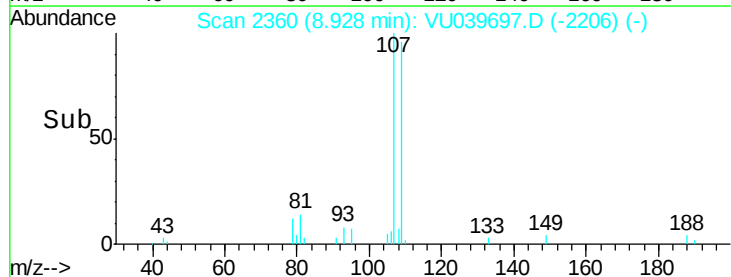
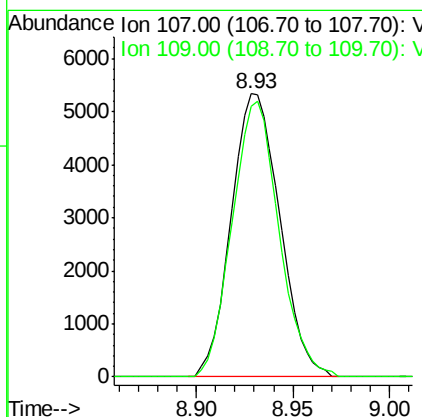
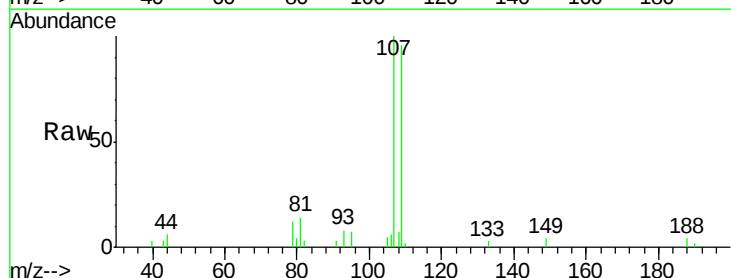
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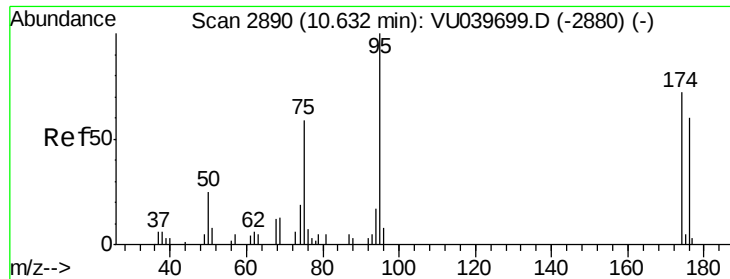
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7/31/2020 3:42:50 PM



#56
1,2-Dibromoethane
Concen: 2.227 ug/l
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.0	0.0	185.2





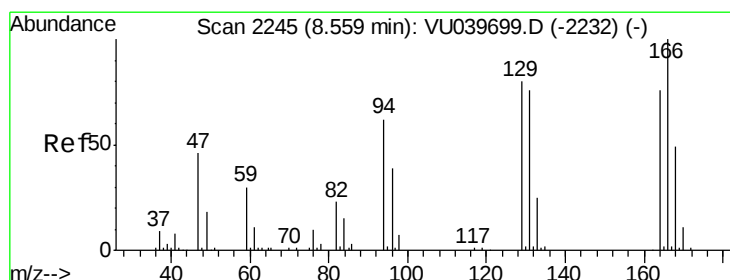
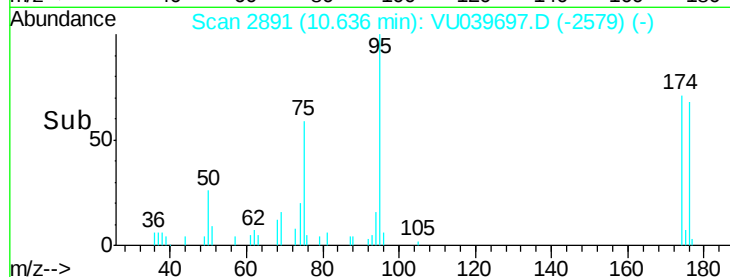
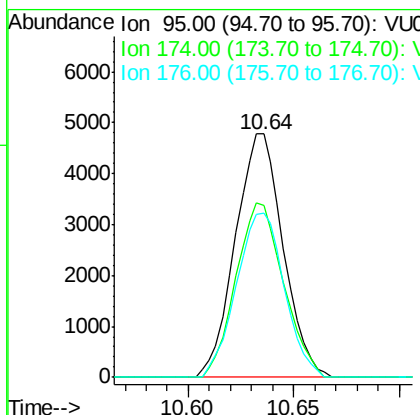
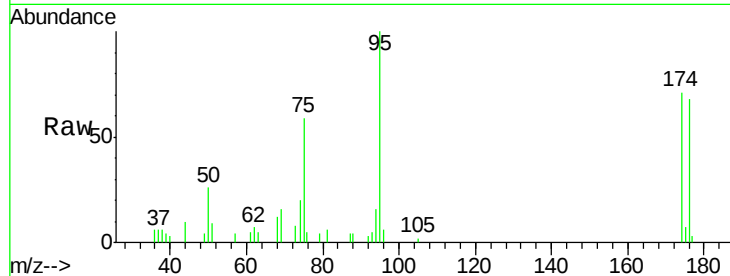
#57
4-Bromofluorobenzene
Concen: 0.941 ug/l
RT: 10.64 min Scan# 2891
Delta R.T. 0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
95	100		
174	71.2	57.0	85.4
176	67.5	50.2	75.2

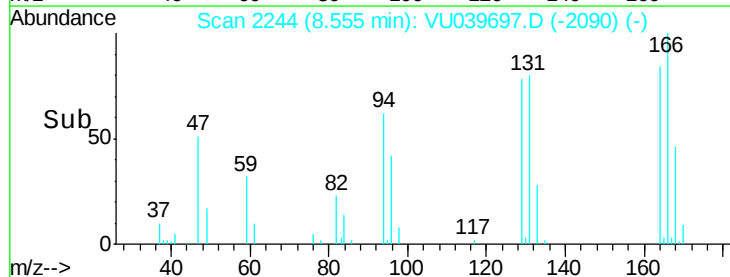
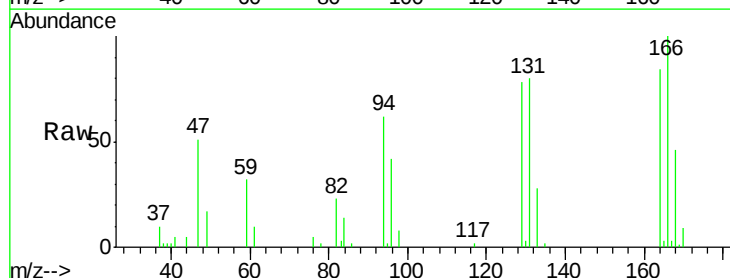
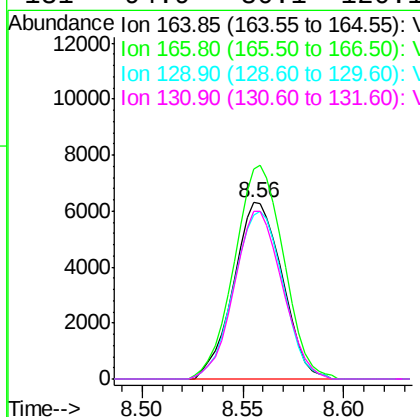
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#58
Tetrachloroethene
Concen: 1.845 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.1	104.8	157.2
129	92.9	84.1	126.1
131	94.9	80.1	120.1





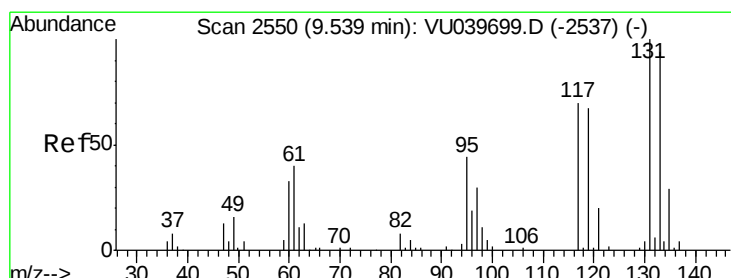
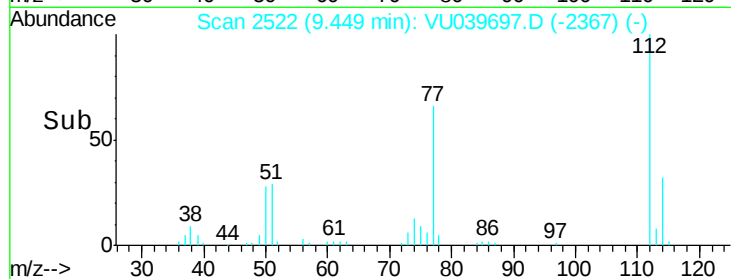
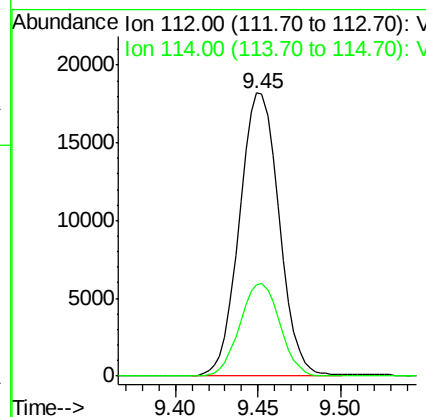
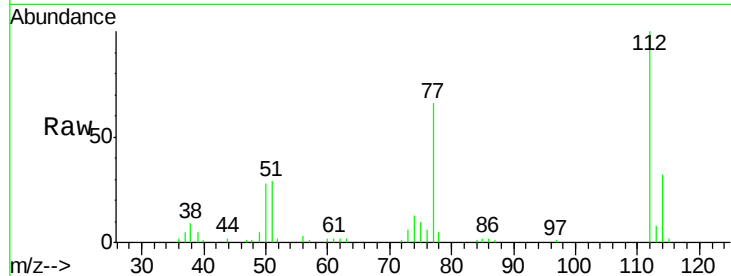
#59
Chlorobenzene
Concen: 1.872 ug/l
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:112 Resp: 30372
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

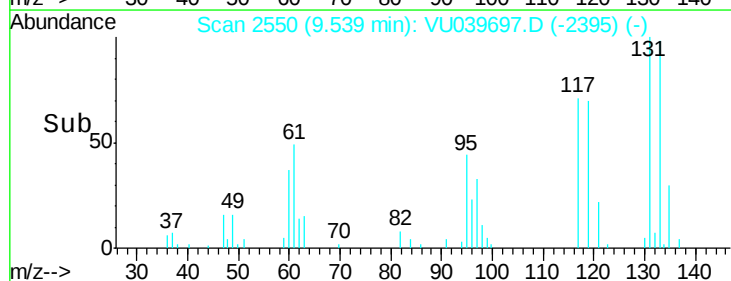
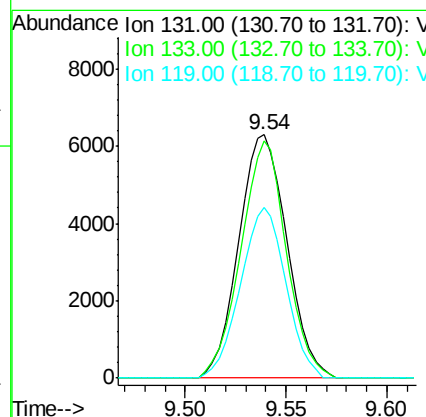
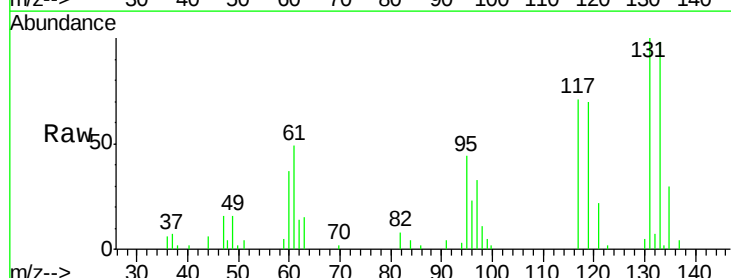
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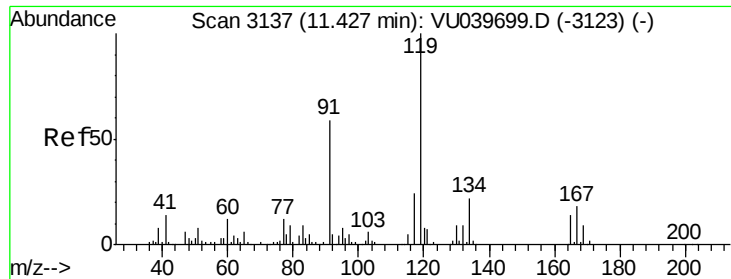
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#60
1,1,1,2-Tetrachloroethane
Concen: 2.111 ug/l
RT: 9.54 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Tgt Ion:131 Resp: 10544
Ion Ratio Lower Upper
131 100
133 91.9 75.8 113.8
119 65.8 54.6 81.8





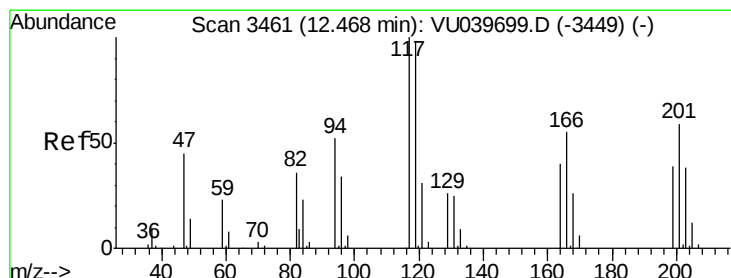
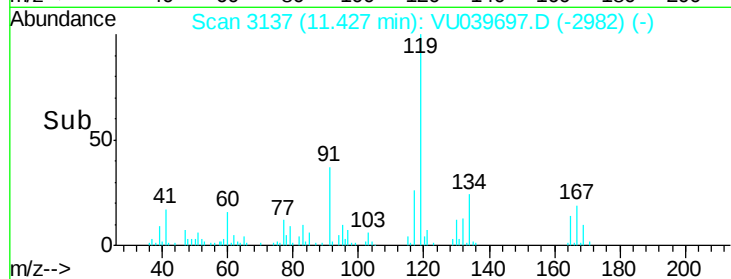
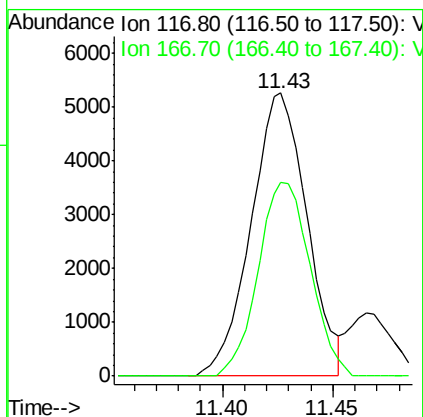
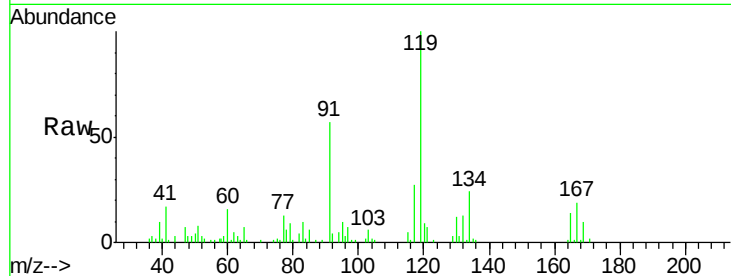
#61
 Pentachloroethane
 Concen: 2.385 ug/l
 RT: 11.43 min Scan# 3137
 Delta R.T. -0.00 min
 Lab File: VU039697.D
 Acq: 29 Jul 2020 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:117 Resp: 9219
 Ion Ratio Lower Upper
 117 100
 167 63.7 56.6 85.0

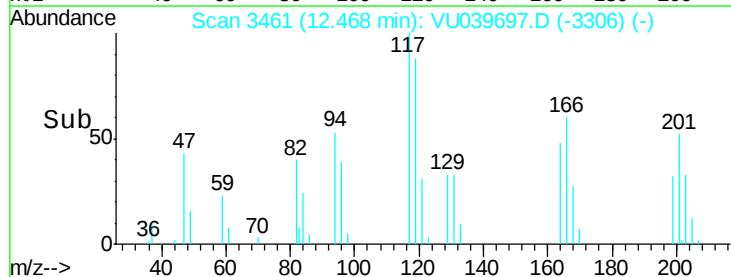
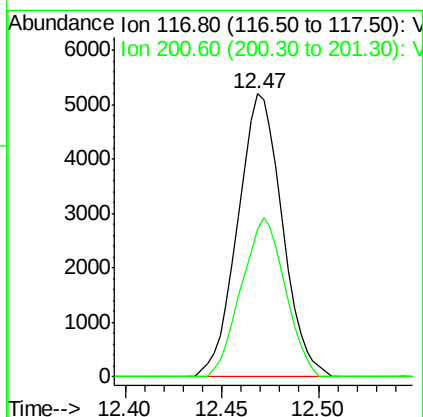
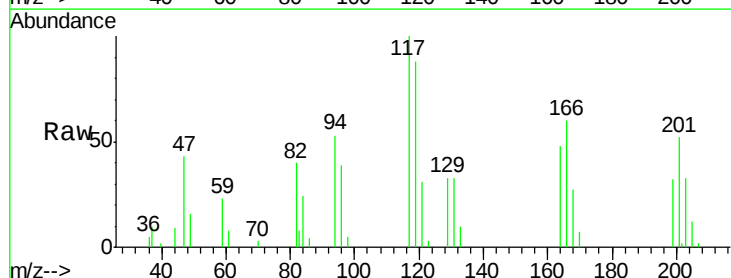
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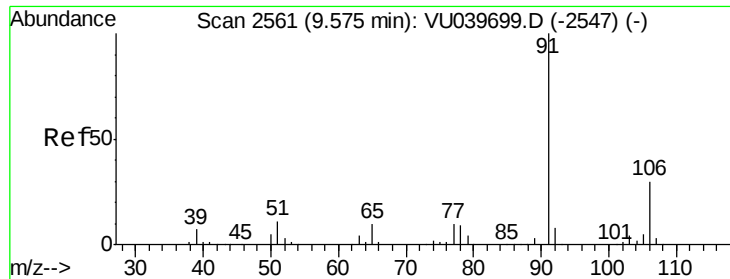
MMDadoda
 7/31/2020 3:42:50 PM



#62
 Hexachloroethane
 Concen: 2.107 ug/l
 RT: 12.47 min Scan# 3461
 Delta R.T. -0.00 min
 Lab File: VU039697.D
 Acq: 29 Jul 2020 11:41

Tgt Ion:117 Resp: 8345
 Ion Ratio Lower Upper
 117 100
 201 55.0 48.1 72.1





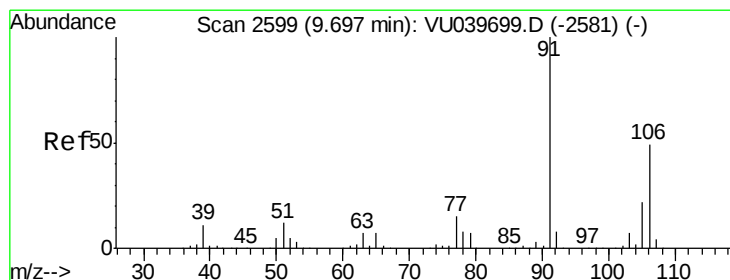
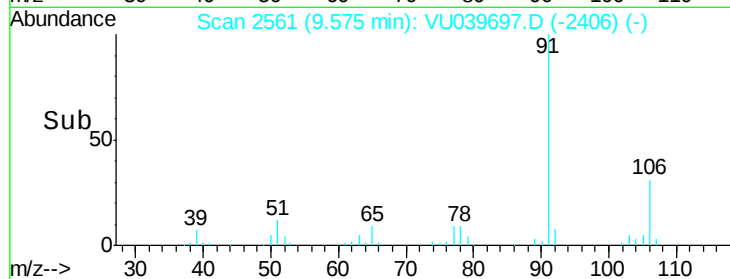
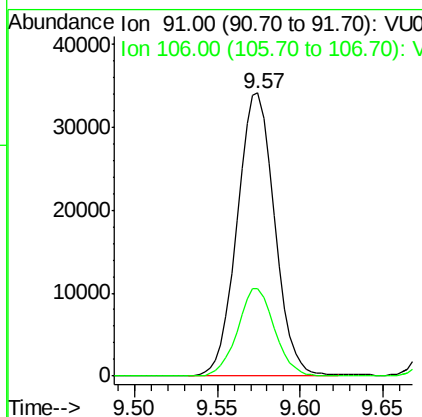
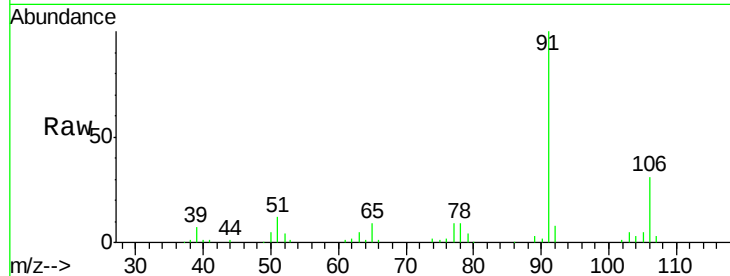
#63
Ethyl Benzene
Concen: 1.849 ug/l
RT: 9.57 min Scan# 2561
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 53735
Ion Ratio Lower Upper
91 100
106 30.9 24.2 36.4

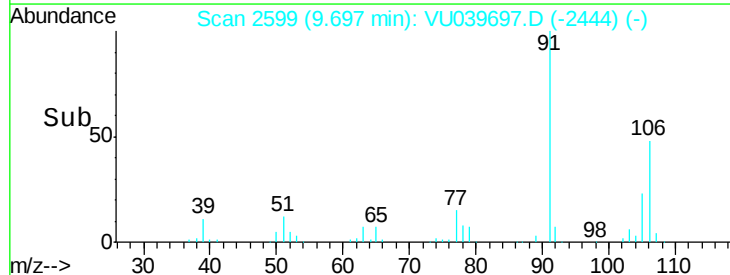
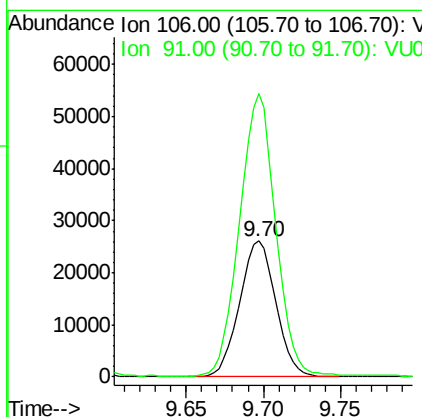
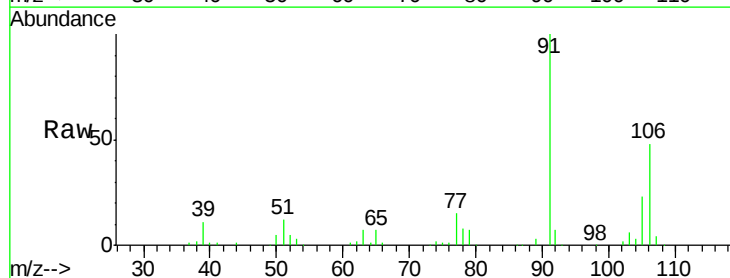
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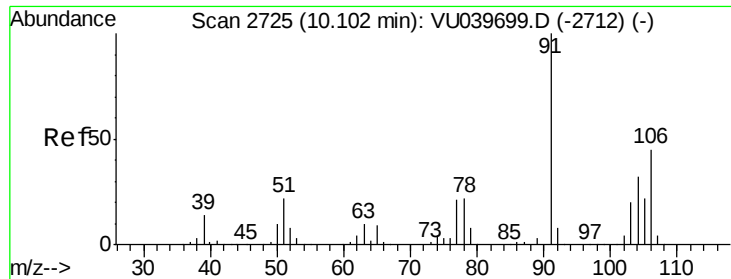
MMDadoda
7/31/2020 3:42:50 PM



#64
m/p-Xylenes
Concen: 3.801 ug/l
RT: 9.70 min Scan# 2599
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Tgt Ion: 106 Resp: 42647
Ion Ratio Lower Upper
106 100
91 206.9 163.9 245.9





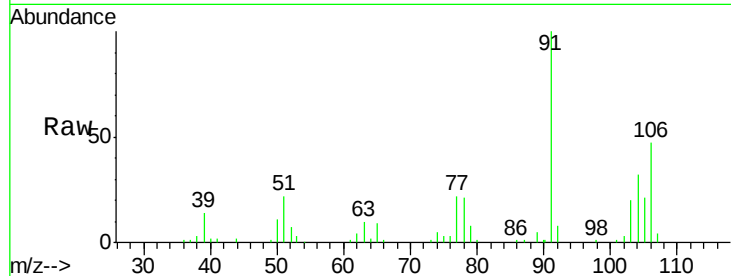
#65
o-Xylene
Concen: 1.858 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

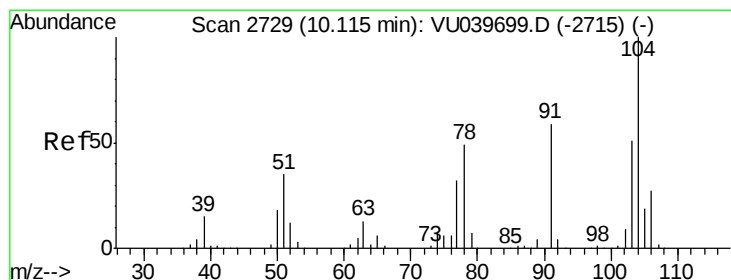
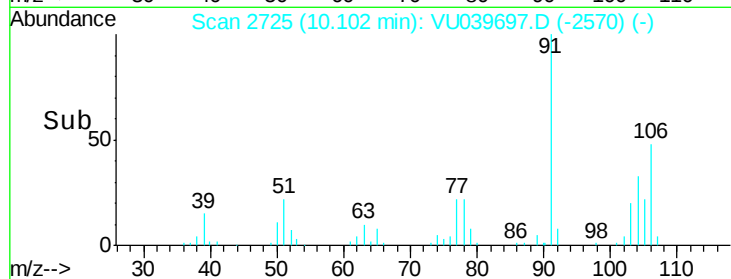
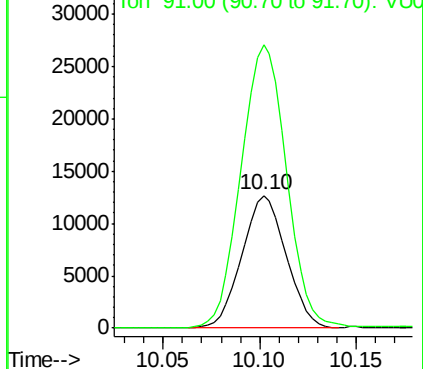
Tot Ion:106 Resp: 20208
Ion Ratio Lower Upper
106 100
91 220.5 110.3 331.0

Manual Integrations
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7/31/2020 3:42:50 PM

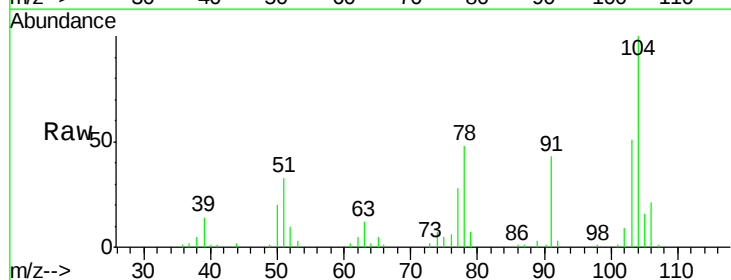


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

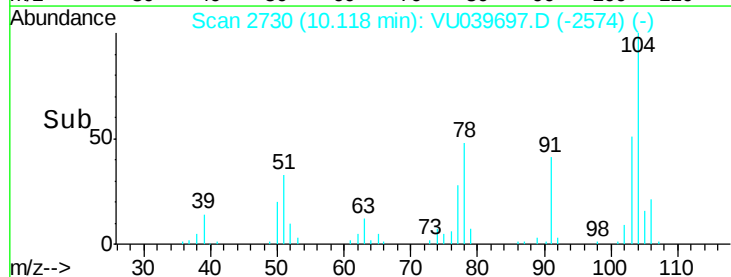
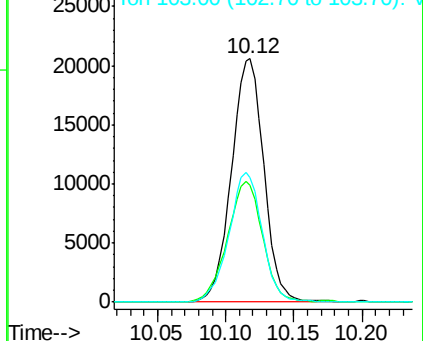


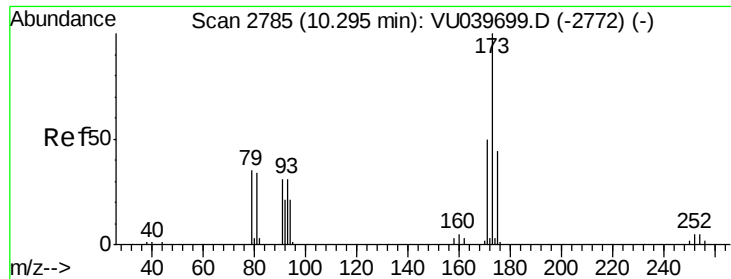
#66
Styrene
Concen: 1.882 ug/l
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Tgt Ion:104 Resp: 33989
Ion Ratio Lower Upper
104 100
78 53.7 42.2 63.4
103 54.6 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





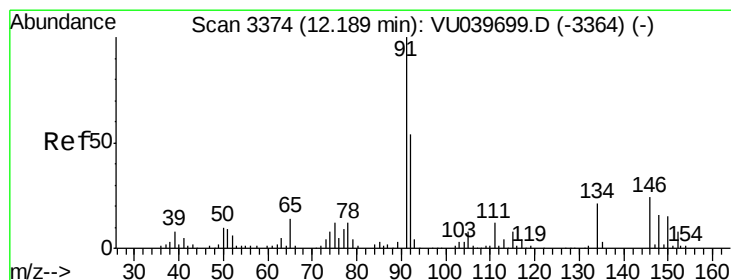
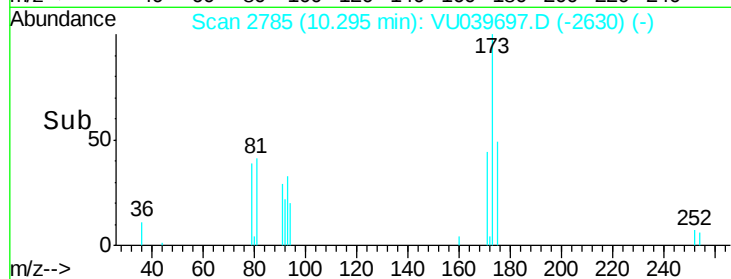
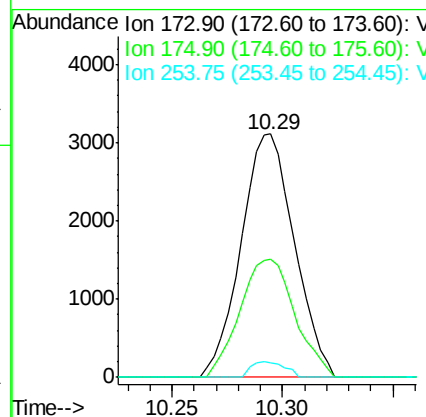
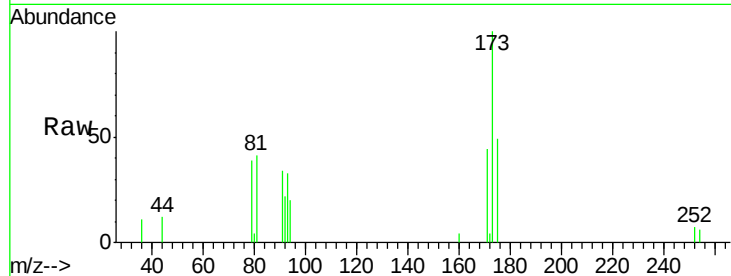
#67
Bromoform
Concen: 2.045 ug/l
RT: 10.29 min Scan# 2785
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	36.7	55.1
254	4.1	3.8	5.8

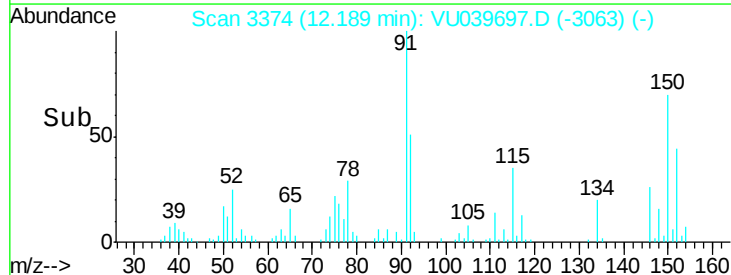
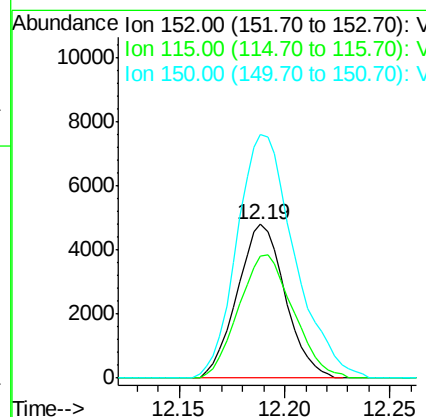
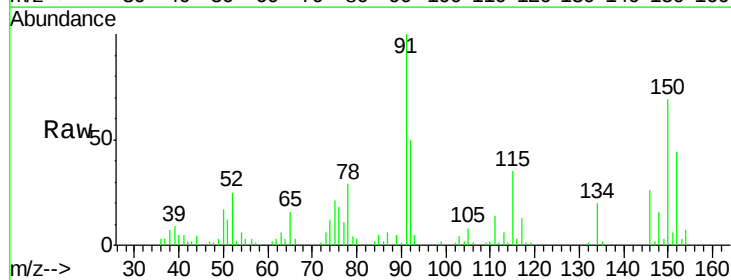
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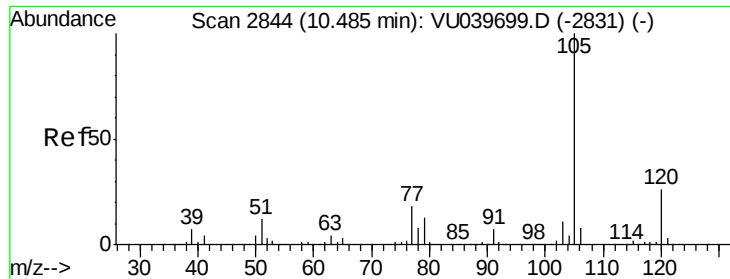
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7/31/2020 3:42:50 PM



#68
1,2-Dichlorobenzene-d4
Concen: 0.979 ug/l
RT: 12.19 min Scan# 3374
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	90.7	0.0	302.4
150	189.9	0.0	645.8





#69

Isopropylbenzene

Concen: 1.833 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039697.D

Acq: 29 Jul 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 52177

Ion Ratio Lower Upper

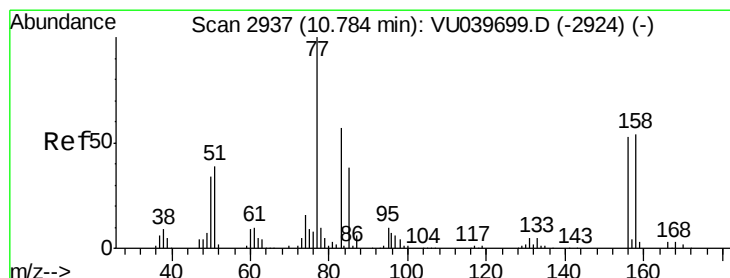
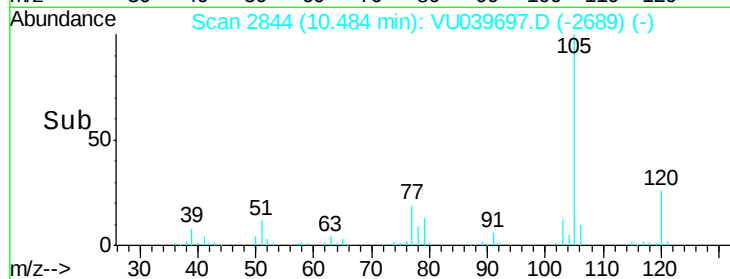
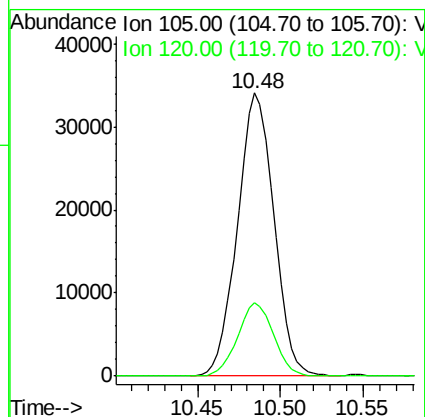
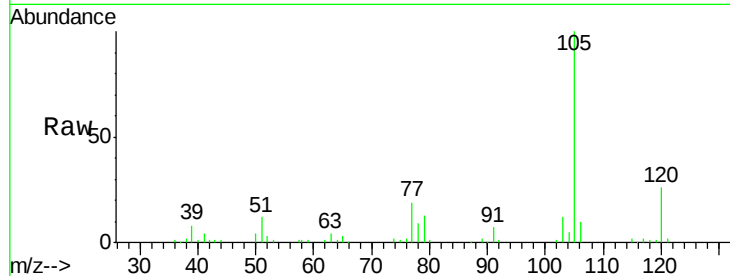
105 100

120 25.5 12.8 38.4

Manual Integrations
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7/31/2020 3:42:50 PM



#70

1,1,2,2-Tetrachloroethane

Concen: 2.489 ug/l

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039697.D

Acq: 29 Jul 2020 11:41

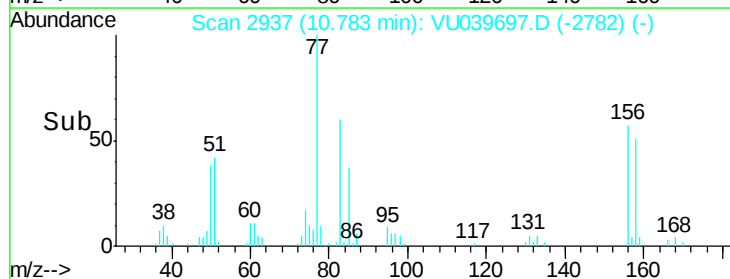
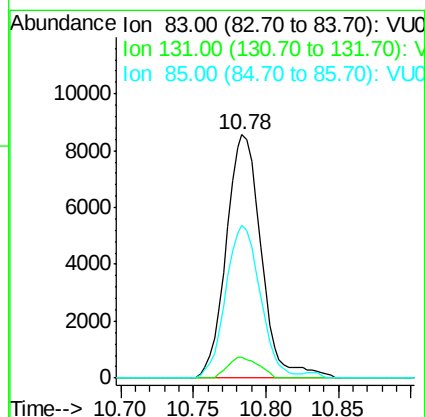
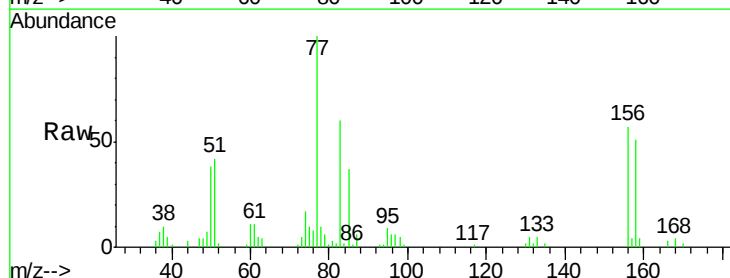
Tgt Ion: 83 Resp: 14393

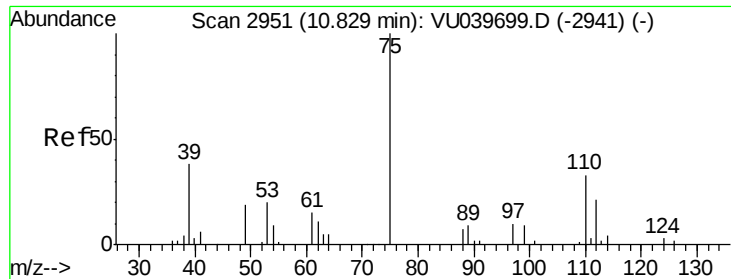
Ion Ratio Lower Upper

83 100

131 7.4 7.0 10.6

85 61.8 50.6 75.8





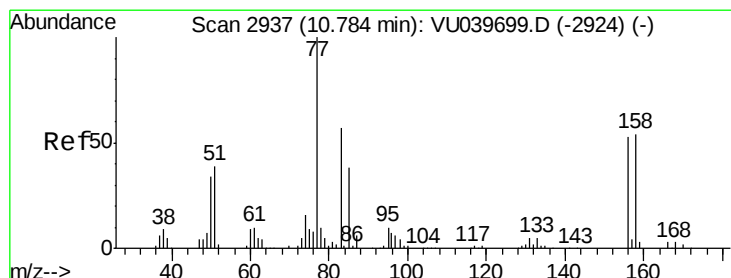
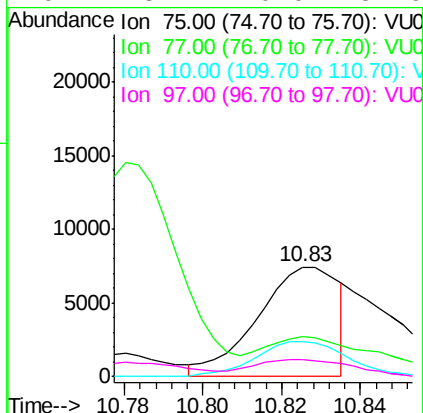
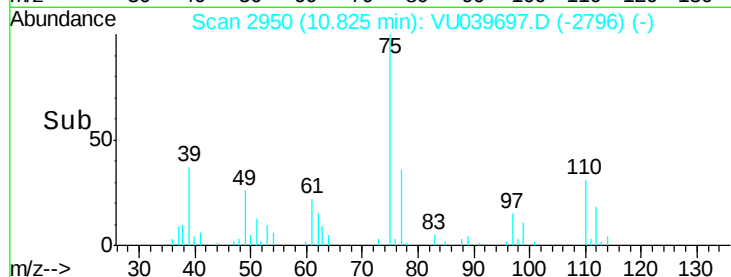
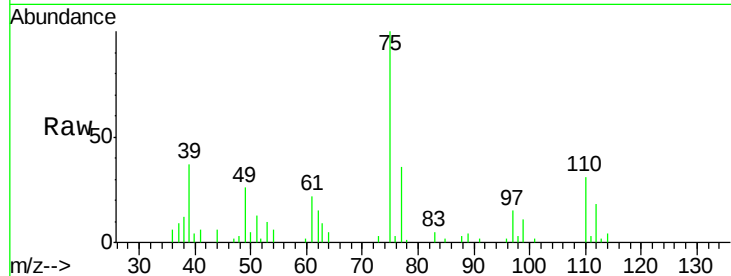
#71
1,2,3-Trichloropropane
Concen: 2.439 ug/l m
RT: 10.83 min Scan# 2950
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
75	100			
77	52.1	0.0	91.0	
110	35.6	0.0	64.2	
97	18.4	0.0	32.6	

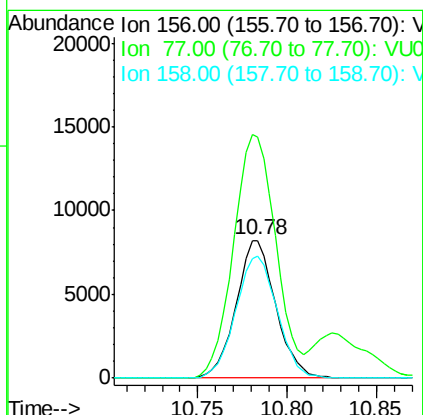
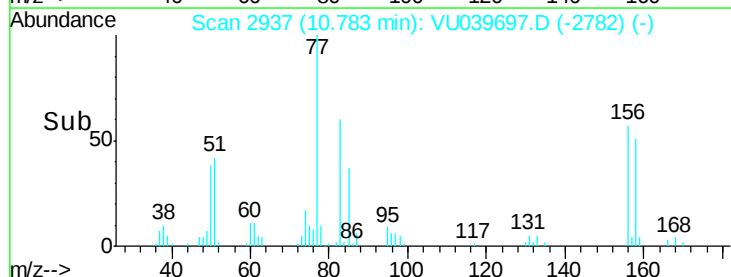
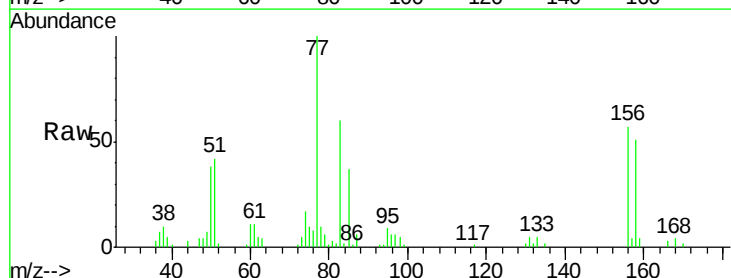
Manual Integrations
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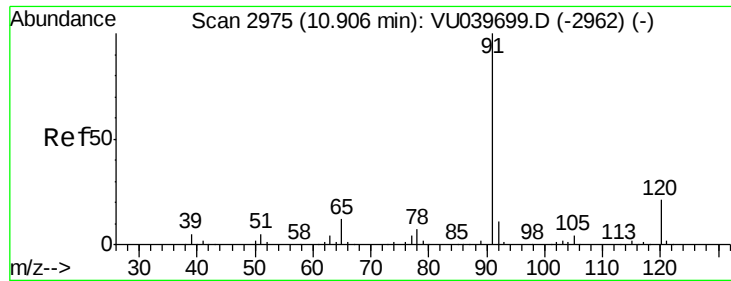
MMDadoda
7/31/2020 3:42:50 PM



#72
Bromobenzene
Concen: 1.999 ug/l
RT: 10.78 min Scan# 2937
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Tgt Ion	Ion	Ratio	Lower	Upper
156	100			
77	189.9	0.0	385.2	
158	92.7	0.0	200.8	





#73

n-propylbenzene

Concen: 1.900 ug/l

RT: 10.91 min Scan# 2975

Delta R.T. -0.00 min

Lab File: VU039697.D

Acq: 29 Jul 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:120 Resp: 14869

Ion Ratio Lower Upper

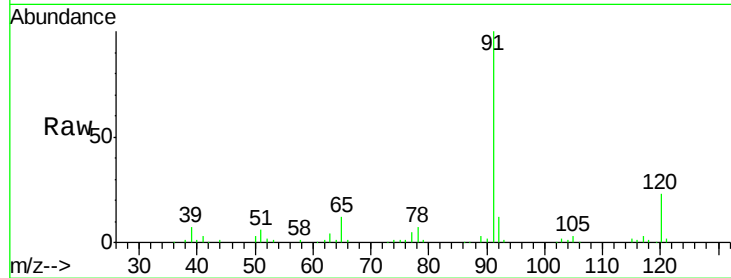
120 100

91 465.4 371.7 557.5

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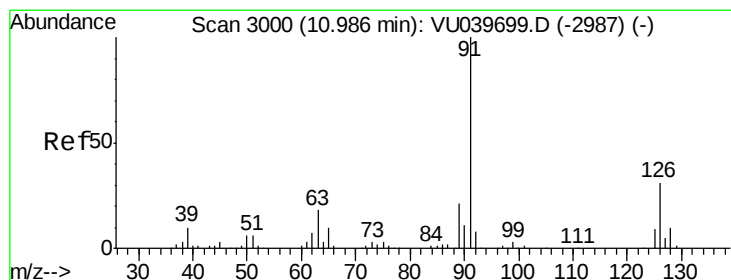
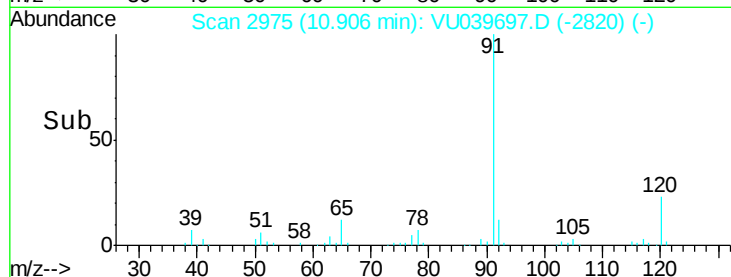
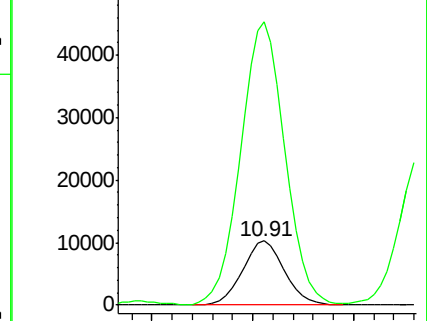
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 2.006 ug/l

RT: 10.99 min Scan# 3000

Delta R.T. -0.00 min

Lab File: VU039697.D

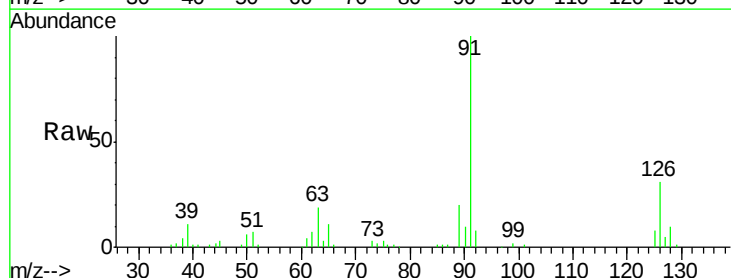
Acq: 29 Jul 2020 11:41

Tgt Ion:126 Resp: 13182

Ion Ratio Lower Upper

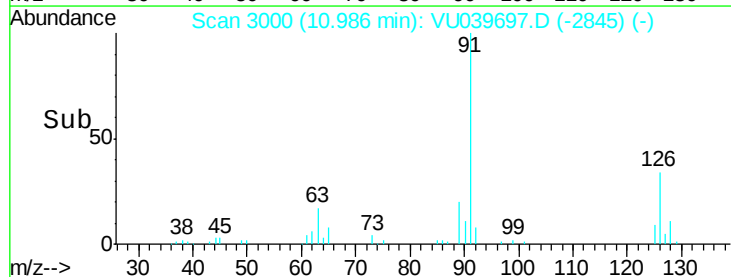
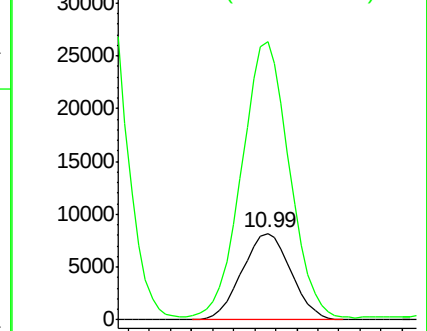
126 100

91 312.5 0.0 637.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.937 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU039697.D

Acq: 29 Jul 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 46223

Ion Ratio Lower Upper

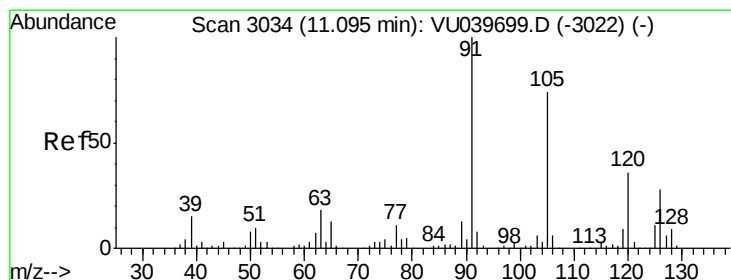
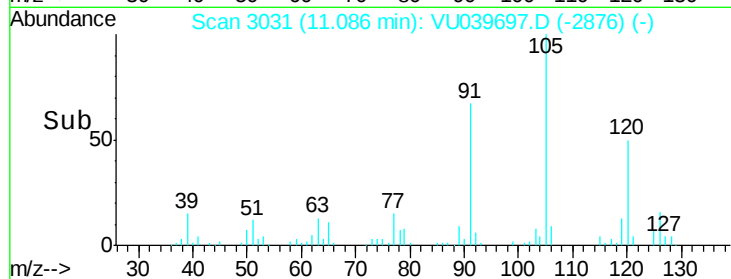
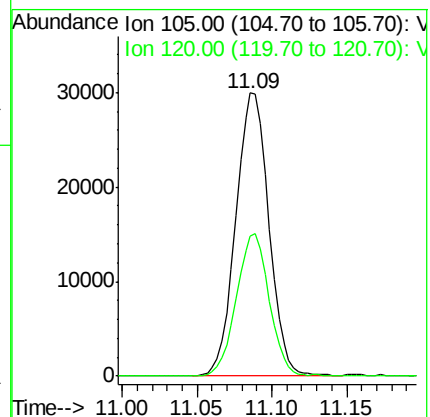
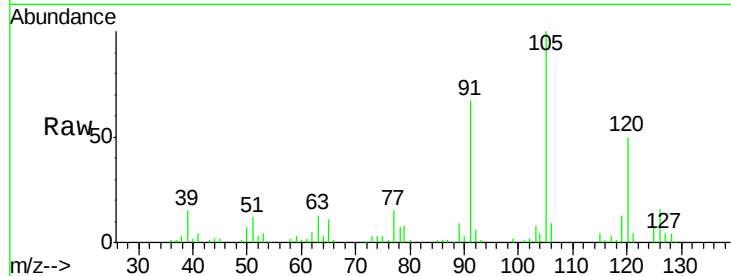
105 100

120 49.9 38.0 57.0

Manual Integrations
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7/31/2020 3:42:50 PM



#76

4-Chlorotoluene

Concen: 1.983 ug/l

RT: 11.10 min Scan# 3035

Delta R.T. 0.00 min

Lab File: VU039697.D

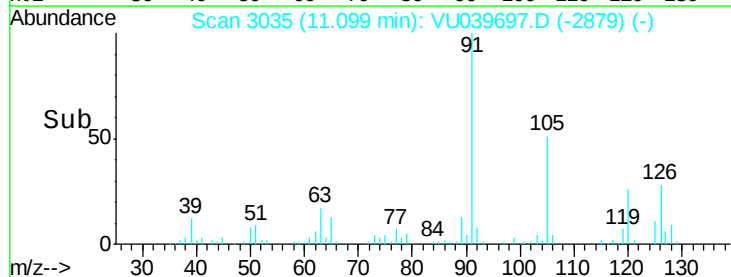
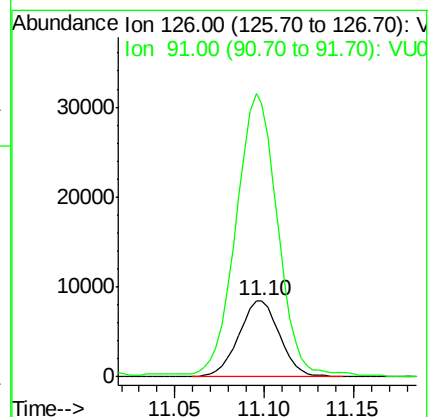
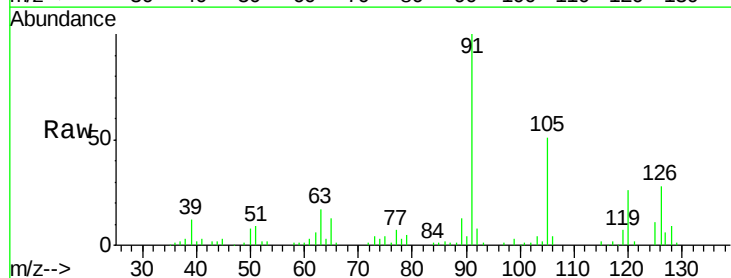
Acq: 29 Jul 2020 11:41

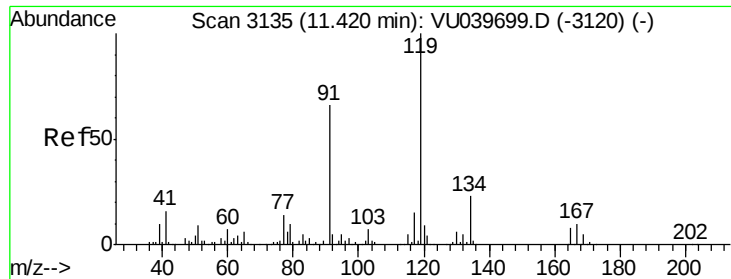
Tgt Ion:126 Resp: 13575

Ion Ratio Lower Upper

126 100

91 371.5 0.0 732.2





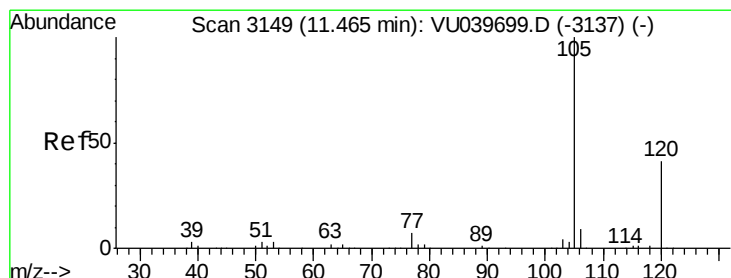
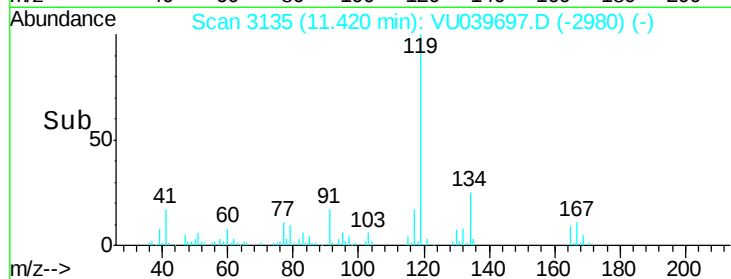
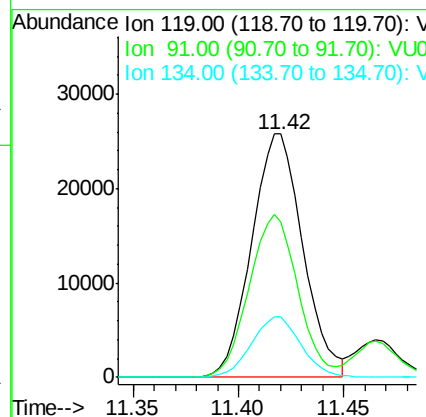
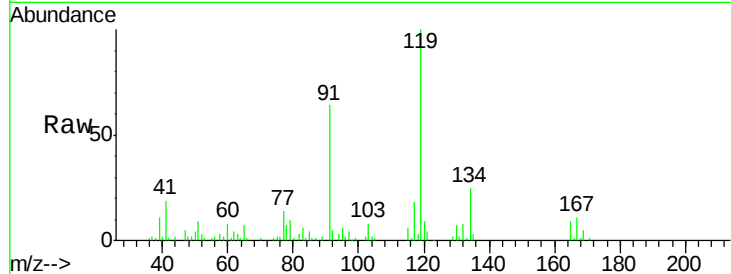
#77
 tert-Butylbenzene
 Concen: 1.920 ug/l
 RT: 11.42 min Scan# 3135
 Delta R.T. -0.00 min
 Lab File: VU039697.D
 Acq: 29 Jul 2020 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.5	31.9	95.5
134	24.3	18.2	27.4

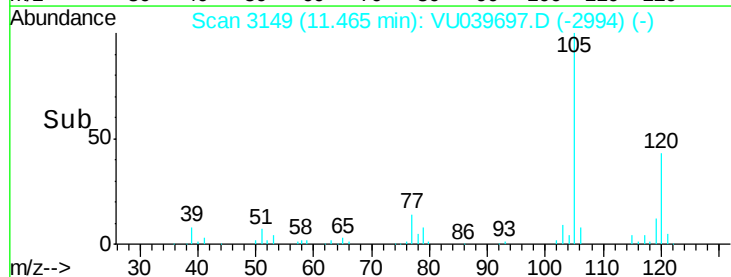
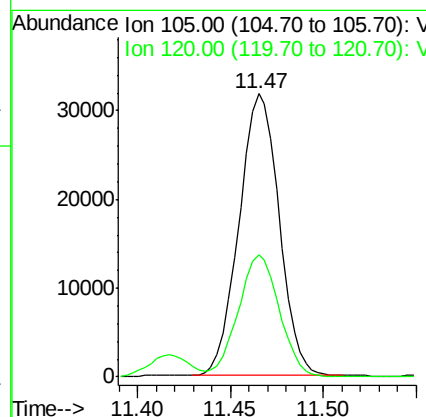
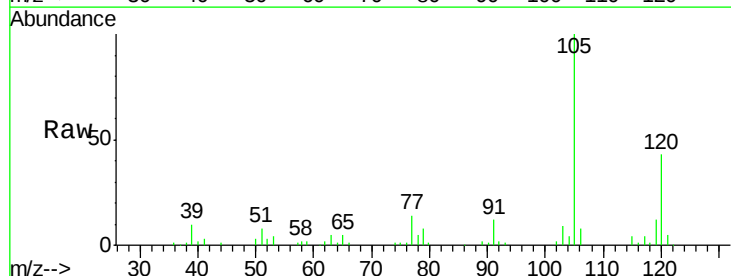
Manual Integrations
 APPROVED

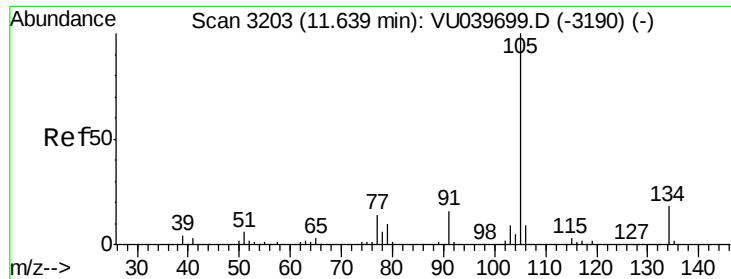
MMDadoda
 7/31/2020 3:42:50 PM



#78
 1,2,4-Trimethylbenzene
 Concen: 1.942 ug/l
 RT: 11.47 min Scan# 3149
 Delta R.T. -0.00 min
 Lab File: VU039697.D
 Acq: 29 Jul 2020 11:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.7	68.0





#79

sec-Butylbenzene

Concen: 1.977 ug/l

RT: 11.64 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU039697.D

Acq: 29 Jul 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 105 Resp: 64045

Ion Ratio Lower Upper

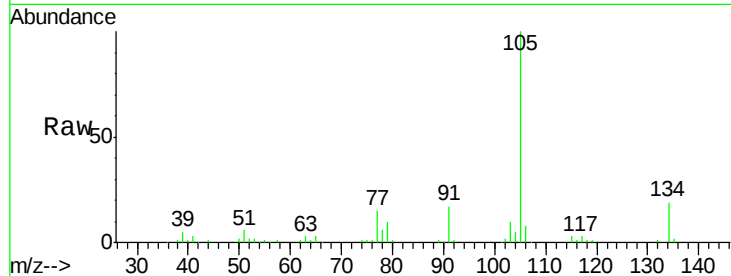
105 100

134 18.9 14.8 22.2

Manual Integrations
APPROVED

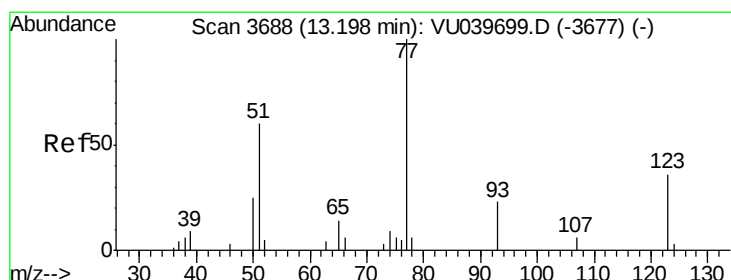
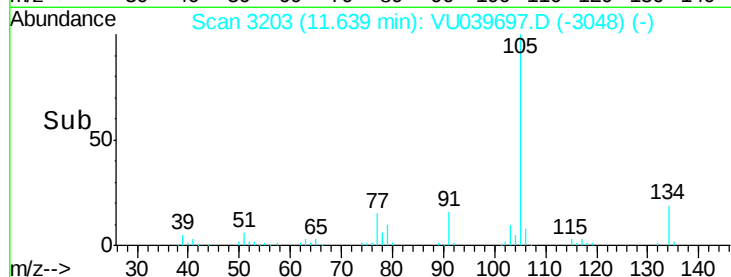
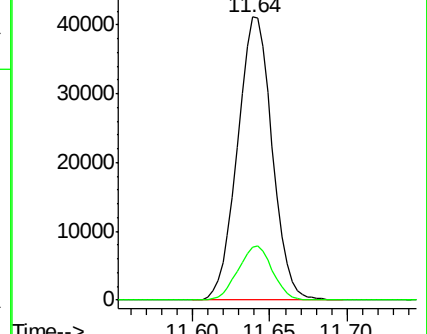
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 5.979 ug/l

RT: 13.20 min Scan# 3688

Delta R.T. -0.00 min

Lab File: VU039697.D

Acq: 29 Jul 2020 11:41

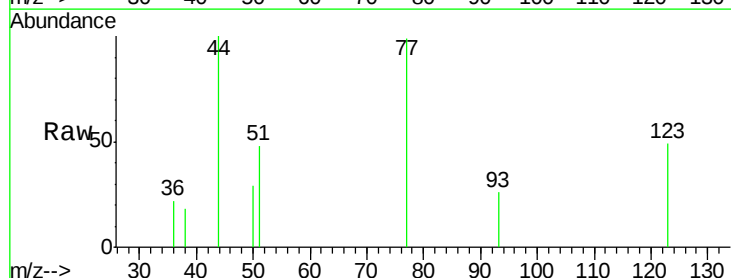
Tgt Ion: 77 Resp: 939

Ion Ratio Lower Upper

77 100

123 39.8 16.9 59.9

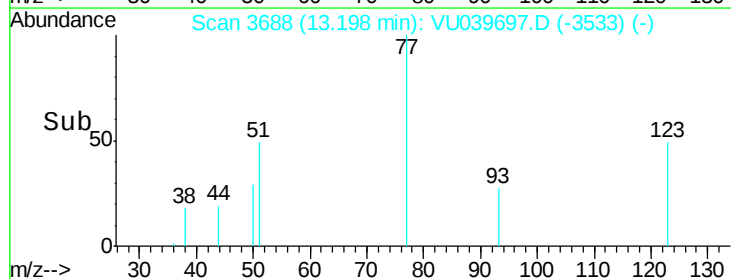
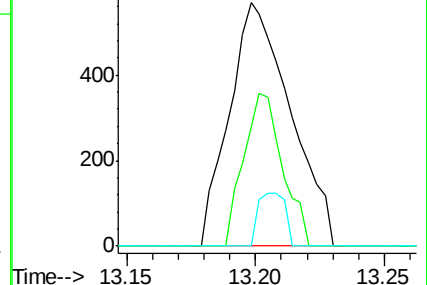
65 9.6 14.4 18.4#

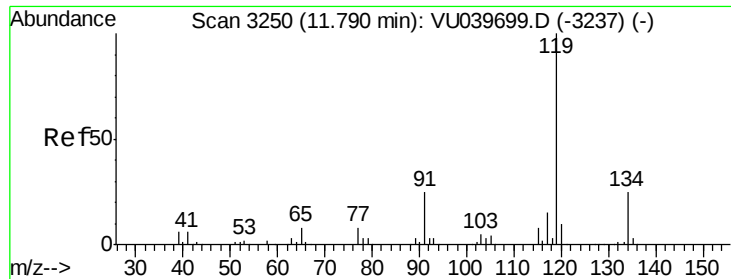


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





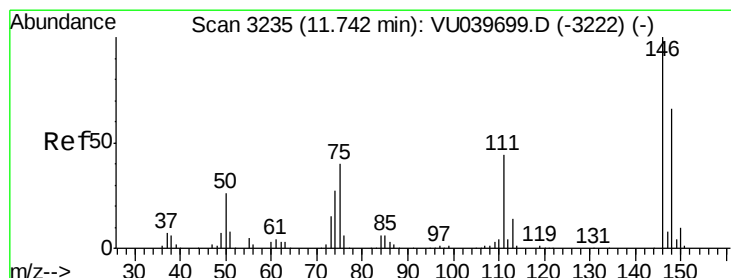
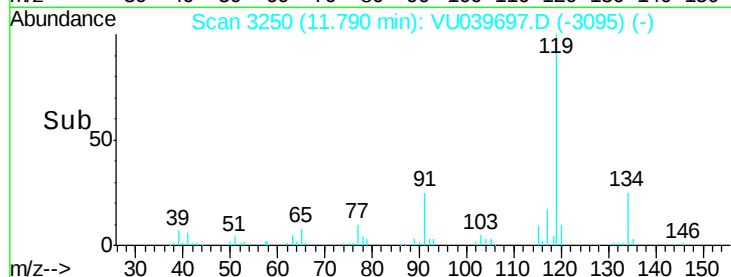
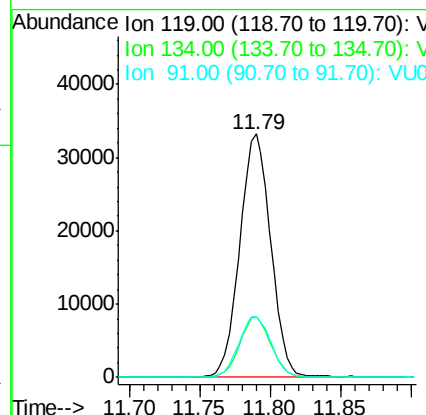
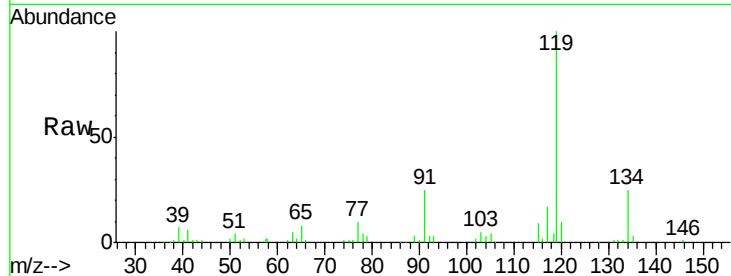
#81
 p-Isopropyltoluene
 Concen: 1.961 ug/l
 RT: 11.79 min Scan# 3250
 Delta R.T. -0.00 min
 Lab File: VU039697.D
 Acq: 29 Jul 2020 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.7	20.2	30.4
91	25.8	20.7	31.1

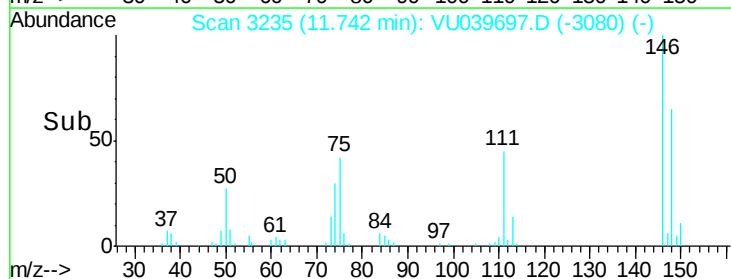
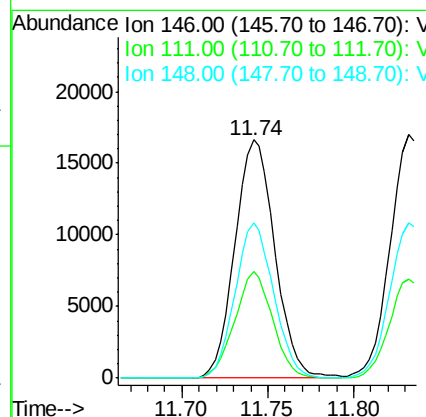
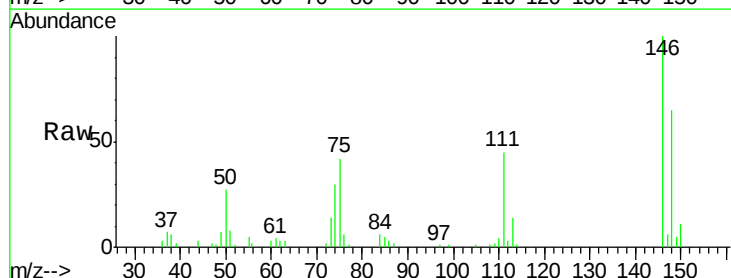
Manual Integrations
 APPROVED

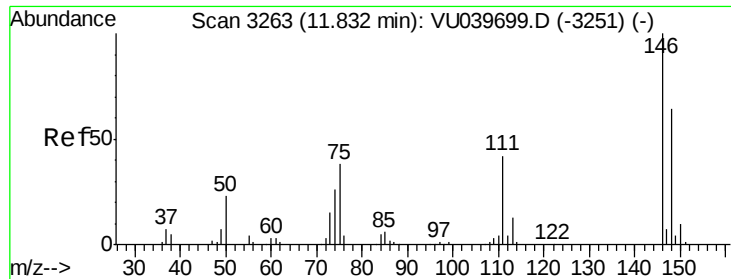
MMDadoda
 7/31/2020 3:42:50 PM



#82
 1,3-Dichlorobenzene
 Concen: 2.028 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039697.D
 Acq: 29 Jul 2020 11:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	34.5	51.7
148	62.7	51.4	77.0





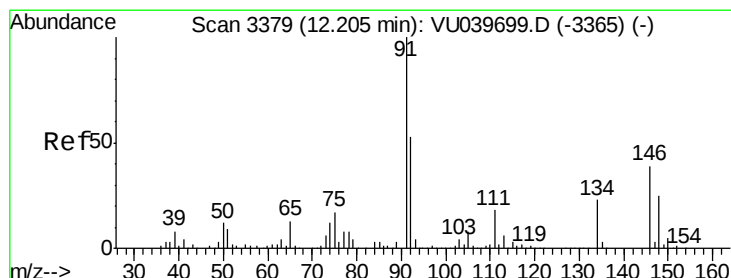
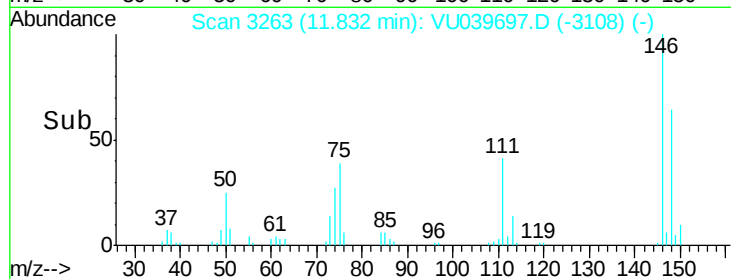
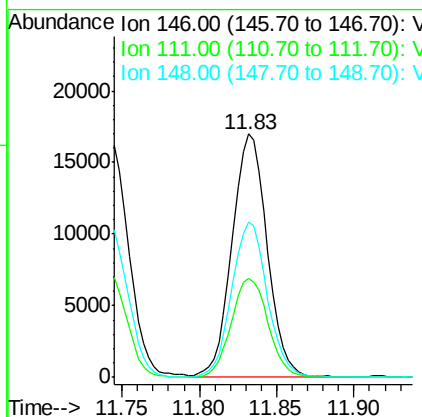
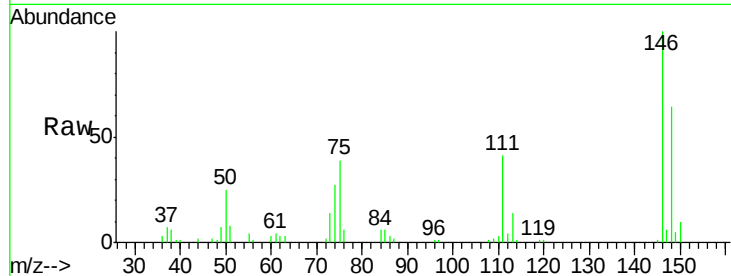
#83
 1,4-Dichlorobenzene
 Concen: 2.006 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039697.D
 Acq: 29 Jul 2020 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	33.8	50.6
148	64.7	51.1	76.7

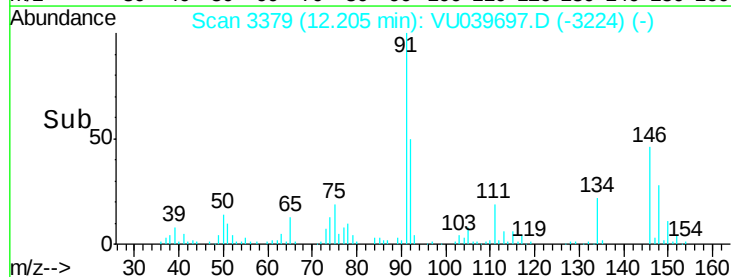
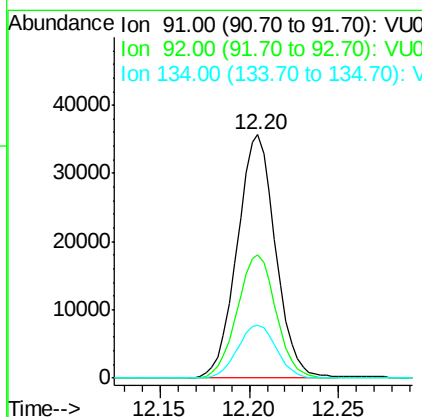
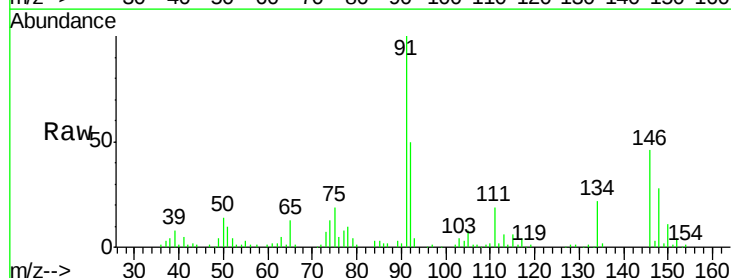
Manual Integrations
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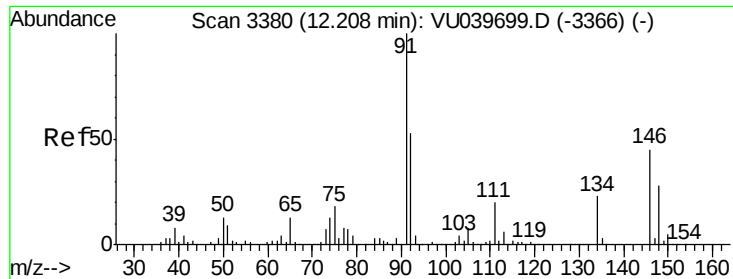
MMDadoda
 7/31/2020 3:42:50 PM



#84
 n-Butylbenzene
 Concen: 2.042 ug/l
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU039697.D
 Acq: 29 Jul 2020 11:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.2	42.6	64.0
134	22.0	18.2	27.4





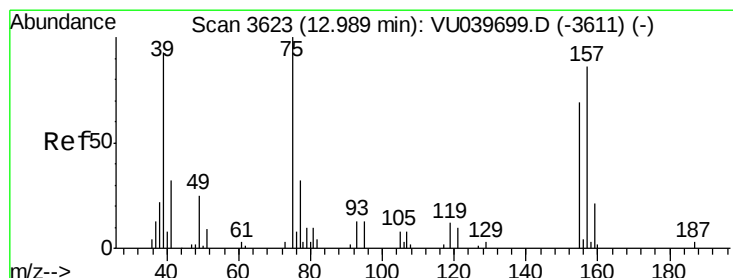
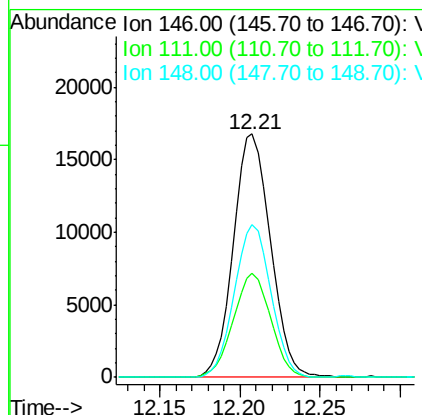
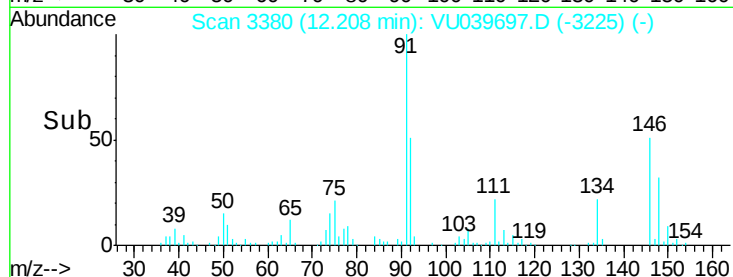
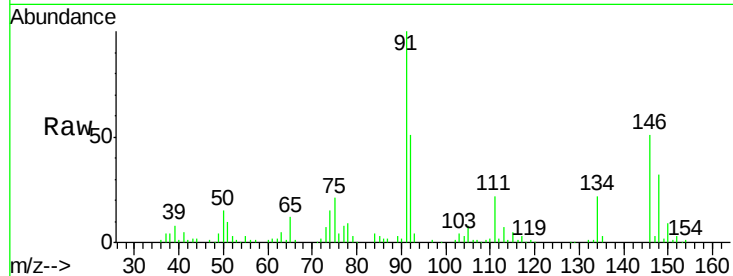
#85
 1,2-Dichlorobenzene
 Concen: 2.143 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039697.D
 Acq: 29 Jul 2020 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	22.8	68.3
148	61.2	31.7	95.1

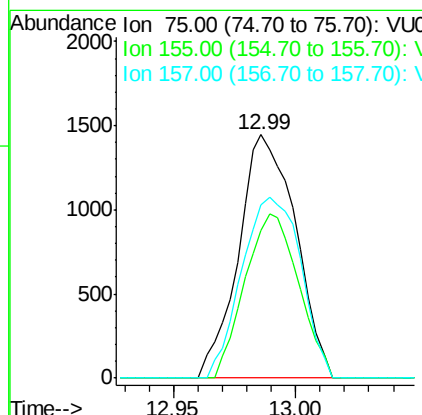
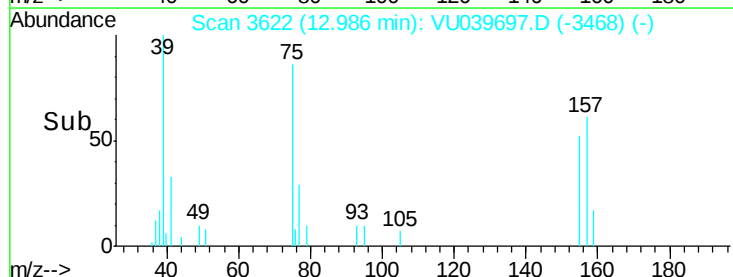
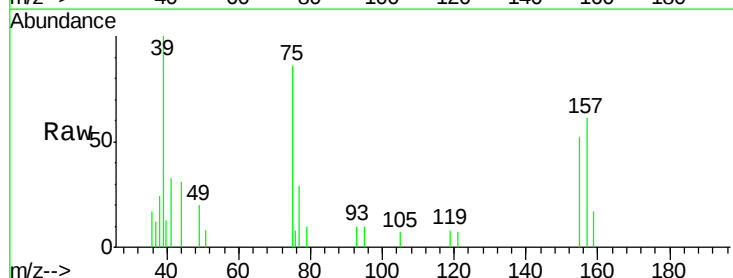
Manual Integrations
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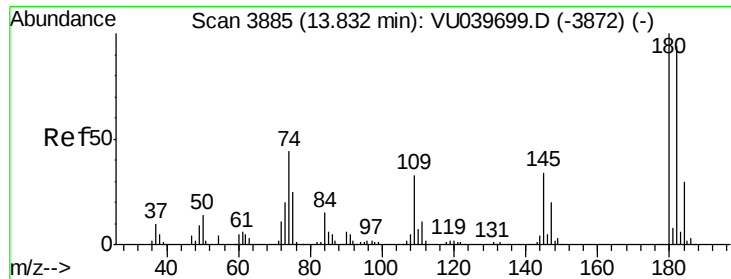
MMDadoda
 7/31/2020 3:42:50 PM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 2.489 ug/l
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU039697.D
 Acq: 29 Jul 2020 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	63.4	52.9	79.3
157	77.1	67.8	101.6





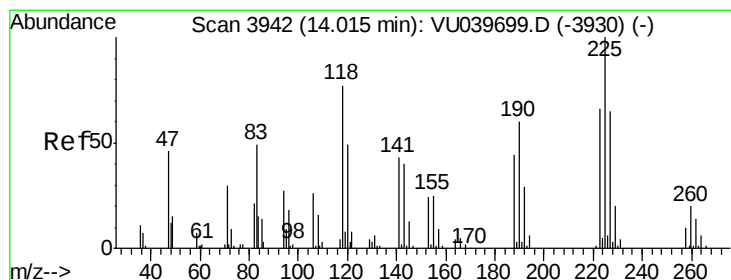
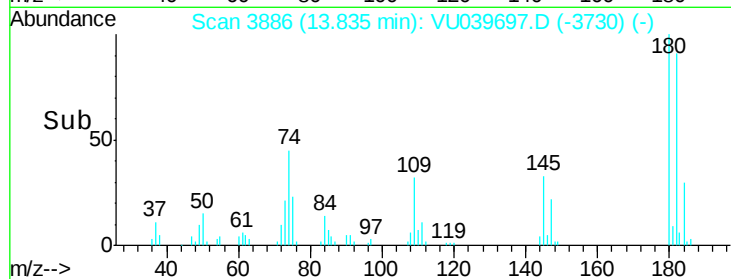
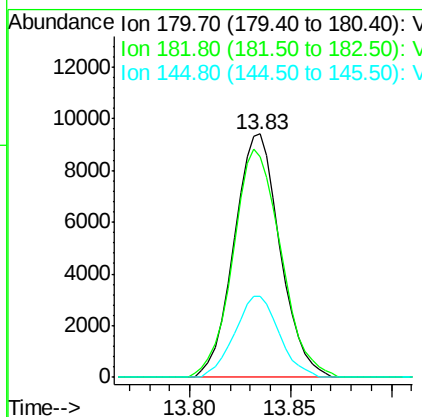
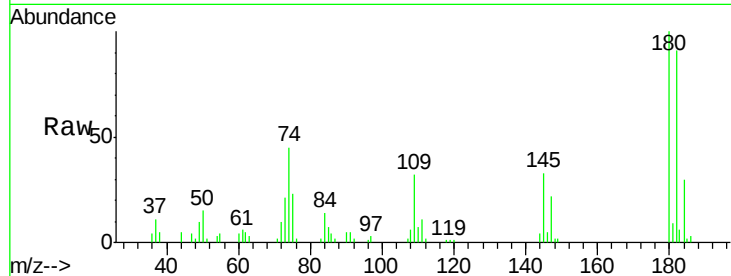
#87
 1,2,4-Trichlorobenzene
 Concen: 1.687 ug/l
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU039697.D
 Acq: 29 Jul 2020 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	76.2	114.4
145	32.4	26.8	40.2

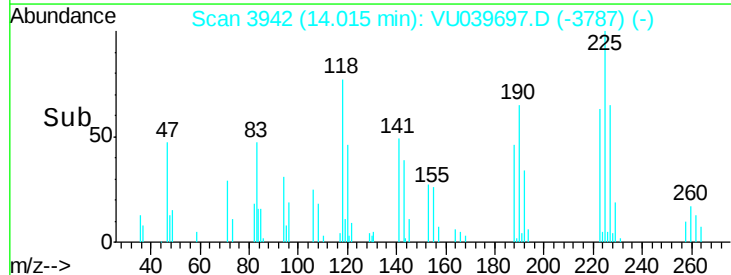
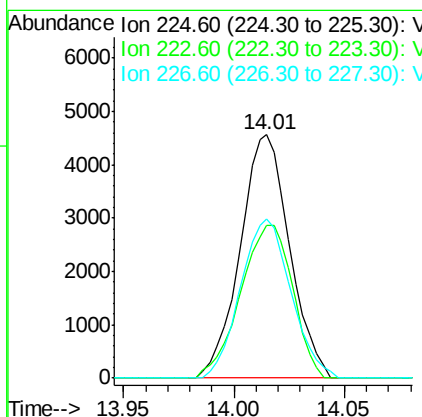
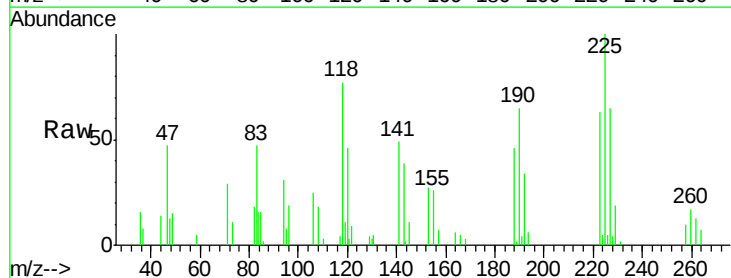
Manual Integrations
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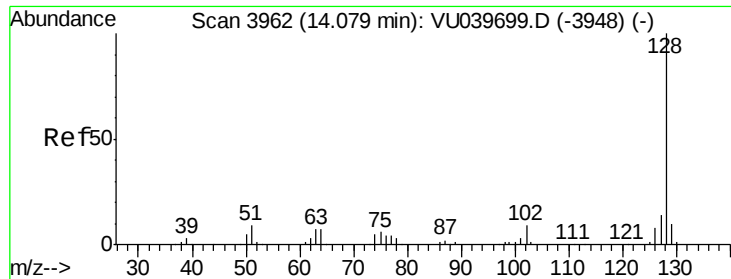
MMDadoda
 7/31/2020 3:42:50 PM



#88
 Hexachlorobutadiene
 Concen: 1.796 ug/l
 RT: 14.01 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VU039697.D
 Acq: 29 Jul 2020 11:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.9	52.4	78.6
227	66.8	50.7	76.1





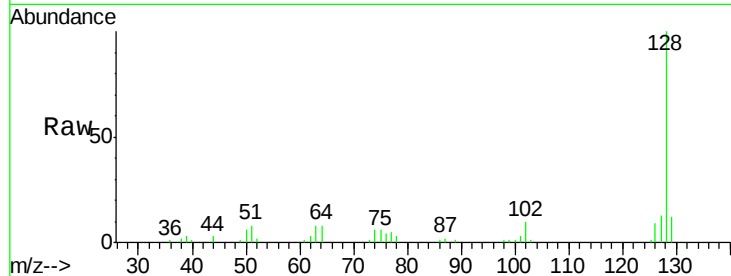
#89
Naphthalene
Concen: 1.732 ug/l
RT: 14.08 min Scan# 3963
Delta R.T. 0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

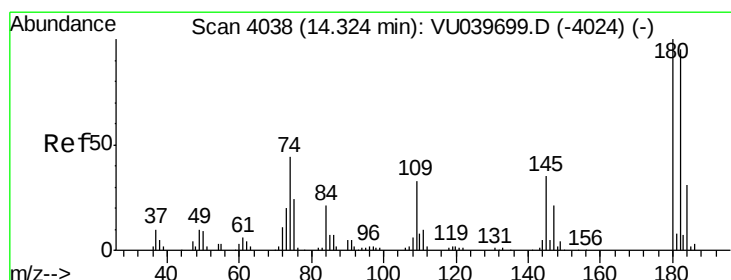
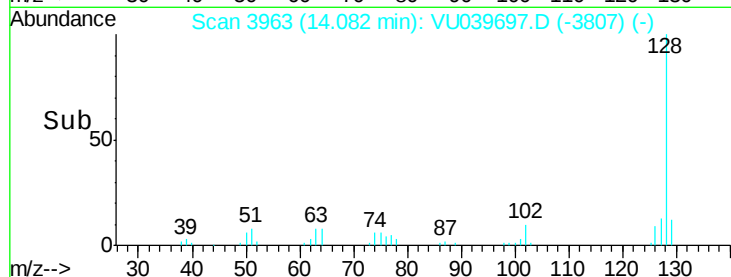
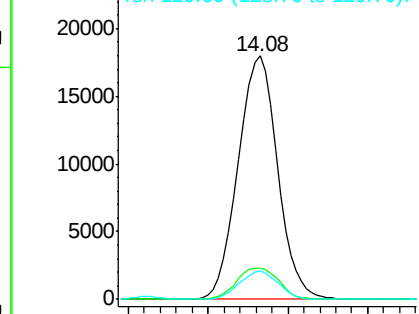
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	11.0	16.4
129	11.3	8.4	12.6

Manual Integrations
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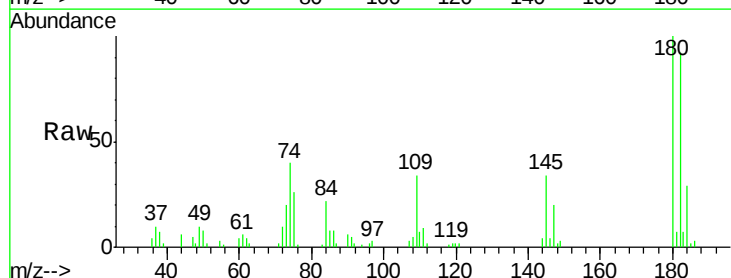


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 1.869 ug/l
RT: 14.32 min Scan# 4038
Delta R.T. -0.00 min
Lab File: VU039697.D
Acq: 29 Jul 2020 11:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.7	76.0	114.0
145	33.9	27.8	41.6



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

